Sample List of Employers & Job Descriptions:

**Albert Einstein College of Medicine- Graduate Division of Biomed**

Albert Einstein College of Medicine, a part of Montefiore, is a premier, research-intensive medical school dedicated to innovative biomedical investigation and to the development of ethical and compassionate physicians and scientists. Inspired by the words of our namesake, we have from our inception welcomed students, faculty and staff from diverse backgrounds who strive to enhance human health in the community and beyond. This is an attribute in which Albert Einstein took great pride when consenting to the use of his name in conjunction with the medical school.

At the core of the Einstein-Montefiore mission is the pursuit of social justice in meeting the healthcare needs of all individuals, including those from underserved communities.

**Summer Undergraduate Research Program (juniors only)**

Please note this is not an actual employment opportunity, rather it is a program within the Graduate Division at the Albert Einstein College of Medicine in which participants receive a stipend.

Each summer the Einstein Summer Undergraduate Research Program (SURP) brings together 50 college students each summer for a one-of-a-kind opportunity to conduct original research in a laboratory at one of the world's top-ranking scientific institutions. The program is designed for undergraduates with a strong background in science who are considering a research career.

**Program Features**

SURP students arrive at Einstein in mid-June for an eight-week research laboratory work experience. Students are matched to a laboratory in the area of interest they indicate on their application. At the end of the program, students present their research in a poster session.

In addition to research, SURP students participate in a variety of complementary scientific activities:

- small-group meetings to discuss their research with other students

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**When:** Friday, February 3, 2017

*Career Fair – 10am-12pm
Pre-selected interviews – 12:45pm-5pm*

**Where:** Haverford College Founders Great Hall, 370 Lancaster Avenue, Haverford, PA 19041

**What:** Looking for summer or post-graduate opportunities in the sciences? Whether you want to go to grad school, find an internship, or a full time job, the STEM Recruiting Event is for you! Representatives from various STEM fields will be at Haverford College to discuss their internship and post-graduate opportunities with students. Many employers and graduate programs will be holding informational interviews where you will ask the questions, while other employers will be holding formal interviews.

**How:** To participate in the interview portion of the event (informational and formal), visit SwatCareers (Jump to “Tri-college Recruiting”) and apply to opportunities of interest.

**The application deadline is**

**Monday, January 11, 2017.**

*All students are encouraged to participate in the career fair portion of the event even if they don’t have an interview scheduled.*
weekly faculty seminars on leading-edge research topics

a workshop on ethical issues in science and medicine

a career planning workshop

During their eight-week stay, SURP students are considered members of Einstein’s student body, making them eligible to take part in all social activities on campus. In addition, several trips and activities are planned specifically for SURP students.

a day at the Bronx Zoo

a student mixer

student-faculty luncheons and barbecues

Crossix Solutions Inc

Crossix is a pioneer in consumer-centric healthcare analytics, and provides data analytics solutions for business and marketing optimization.

Marketing Data Analyst

Note: Crossix is conducting formal Tri-college On-Campus Interviews at Haverford on February 8 (see separate posting to apply). Crossix will be at the STEM Recruiting Day on Feb. 3 to conduct informational interviews for seniors who would like to learn more about opportunities at Crossix. All students are welcome to stop by the Crossix table during the career fair portion of the event for more information.

Analyst Role

Analysts quickly gain technical expertise to answer client business questions with actionable data-driven insights. MDAs build experience using analytical language and managing project requirements, and have a meaningful impact on client business outcomes. The role necessitates independent thinking and problem-solving, with the ability to communicate effectively while working closely with a team. The entering class of analysts will receive training and mentorship to develop both technical and industry-specific knowledge.

Responsibilities

• Leverage cutting-edge analytics capabilities to help measure and optimize client’s healthcare marketing

• Utilize appropriate analytics to link marketing exposures to transactional data

• Execute project requirements, using a logic-based proprietary language alongside SQL and Excel

• Troubleshoot data anomalies and inconsistencies

• Communicate effectively with internal teams

• Assist in development of project reports and presentations

• Identify key insights and implications, highlighting major storylines

• Participate in product development efforts and company-wide initiatives

• Employ and develop marketing and healthcare knowledge to better assist clients

• Work with senior members to apply insights to quantitative findings

• Communicate effectively with clients and intermediaries as projects require

• Help provide recommendations to various healthcare and media clients using data-proven insights to optimize client media campaigns

Epic

Founded in a basement in 1979 with 1½ employees, Epic develops software to help people get well, help people stay well, and help future generations be healthier.

Technical Problem Solver

Problem-solving with a purpose. Create solutions where none exist. Solve meaningful, complex problems in healthcare. As a Technical Problem Solver on Epic’s Technical Services (TS) team, you will directly impact the way over half of Americans receive healthcare. In this complex and evolving industry, healthcare organizations often need to push the boundaries of Epic’s software to meet ever-changing user and regulatory needs.

Your technical skill will be vital to your success. With the help of our training, you will specialize in one area of our software, be it surgery, oncology, billing, or one of our other products. You’ll learn the code and the details of how and why our software works the way it does and use this knowledge to dissect complex problems and
determine the best solutions. You will be responsible for the continued success of a handful of clients from the moment they go-live with the software, guiding them and making recommendations to meet their goals, ensuring that they realize the full potential of our software. You will build relationships with your clients’ IT staff during weekly calls and onsite trips. Using your team’s tools, resources, and experts, you will research solutions for issues and be a technical lead for their larger projects that will ultimately impact the way they deliver healthcare. Your clients will rely on you as their technical expert as they refine the system, improving efficiency for clinicians and outcomes for patients.

There is no typical day here, and there is no typical career path. You can specialize in reporting to support evidence-based medicine, use your programming skills to develop new features with R&D, organize and host feedback sessions for physicians, grow into internal and technical management- the list goes on. You can choose your own adventure.

As you grow and continue to learn, you will increase your scope of impact from your first Epic client, to all Epic clients, to the entire healthcare industry. Come make a difference at some of the nation's most respected healthcare providers.

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**IonField Systems**

IonField Systems is at the forefront of the plastic waste revolution. The standard system of using microplates and pipette tips once before throwing them out is antiquated, wasteful, and inefficient. We offer solutions that can not only reduce or eliminate your plastic waste, but can save you tens, even hundreds of thousands of dollars all while improving assay reliability and consistency.

**Intern (sophomores and juniors eligible)**

IonField is conducting a search for one or two individuals interested in paid internships with an entrepreneurial small business. IonField sells cleaning products and services used in drug discovery at pharmaceutical/biotech companies and other research organizations.

The company’s core technology converts electrical energy into a room temperature, atmospheric pressure plasma. In this process, air becomes saturated with energy, becoming an active cleaning agent that oxidizes solid and liquid organics on contact.

The benefits of plasma treatment include the complete oxidative destruction of organic molecules, sterilization, surface smoothing of polymers, optimization of wettability, improved liquid/polymer interface reflective properties, and removal of residual manufacturing and packaging chemicals from polymers and glass.

The technology allows the repeated reuse of disposable labware used in pharmaceutical and biotech research, and specialty diagnostic markets. Reusing single-use labware reduces cost and waste. Some, like microplates, are not only as clean as new but deliver better data than a new microplate.

Interns will gain exposure to many aspects of the business with a focus on our engineering and analytics programs.

F1 Visa Holders must obtain approval for this to be practical training.

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**NVIDIA**

NVIDIA is the pioneer of GPU-accelerated computing. We specialize in products and platforms for the large, growing markets of gaming, professional visualization, data center, and automotive.
Our creations are loved by the most demanding computer users in the world – gamers, designers, and scientists. And our work is at the center of the most consequential mega-trends in technology – virtual reality, artificial intelligence, and self-driving cars.

- See more at: http://www.nvidia.com/object/about-nvidia.html#sthash.0PAzwFAj.dpuf.

**NVIDIA Fast Start College Hire Program**

NOTE: Interviews for this position will be informational recruiting interviews, and will take place at the STEM Recruiting Event on Friday, February 3, 2017

NVIDIA Fast Start College Hire Program

Do you visualize your future at NVIDIA? WE DO!

We are now looking for Solution Architects.

NVIDIA Fast Start College Hire Program

NVIDIA is building the world’s leading AI company and we need Solution Architects to help our customers adopt GPU Deep Learning, accelerated data analytics, and other AI and HPC technologies. As a new or recent college graduate with a technical degree, our Fast Start program will team you up with experienced solution architects for on the job training as you work as part of an NVIDIA account team supporting customers building solutions with our latest technology.

You will spend 18 months rotating quarterly through field teams supporting different customer segments including Hyperscale cloud service providers, automotive, AI startups, government and higher ed, and enterprise customers across all industries. In the process you will become an expert in our Tesla data center products for AI and HPC including the DGX-1 deep learning supercomputer, our Quadro line of professional visualization solutions, our Tegra embedded solutions for intelligent video analytics and IoT, and our Drive PX platform for self-driving vehicles. You will also have the opportunity to select rotations with our industry business development, product marketing, and engineering teams. And at the end of 18 months, after being exposed to the full scope of our technologies, you will take on a role as a regular solution architect in an area of your choosing.

The ideal candidate will have a solid computer architecture and software foundation, with some GPU-based visual or compute experience, and will be comfortable working in a fast-paced environment with changing requirements. Excellent communication skills and ability to work both independently and with a team are essential. Experience with GPU deep learning and data sciences is desirable, as is the ability to quickly learn new technologies.

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**Scheie Eye Institute - University of Pennsylvania Health System**

Scheie Eye Institute is the Department of Ophthalmology for the University of Pennsylvania Health System and the Perelman School of Medicine.

**Clinical Research Coordinator:**

The POAAGG (Primary Open-Angle African-American Glaucoma Genetics) study is seeking a Clinical Research Coordinator. POAAGG is a 5-year individual RO1 for $11.25 million funded by the National Eye Institute with Joan O’Brien, MD as PI. The study seeks to understand the complex genetics of glaucoma, which is a progressive neurodegenerative eye disease that disproportionately affects African-Americans.

The Clinical Research Coordinator will assist glaucoma specialists at Scheie Eye Institute with enrollment of new patients into POAAGG. Specific duties include:

- Screen incoming patients for exclusion/inclusion criteria for the POAAGG study
- Conduct patient interviews and collect DNA samples during enrollment
- Work closely with genetics lab and other coordinators to acquire important phenotypic data from enrolled patients
Opportunity to contribute to manuscripts when necessary

**Ophthalmic Scribe:**
The Ophthalmic Scribe assists and works under the direct supervision of the Ophthalmologist. The responsibilities include accompanying the physician into the examination area and assisting with the documentation of each patient’s medical record during an out-patient visit or out-patient procedure. The scribe documents results of the external exam, anterior segment exam, posterior segment exam, fluorescein angiography, laser, ocular injection treatments, minor surgical procedures, and physician findings.

The ophthalmic scribe may be asked to maintain patient flow, directing the physician to the next examination room, ensuring the correct sequence of events occurs for each patient, designates through EPIC the correct colored dot be assigned to each encounter throughout the workflow of the patient’s exam. Reviews patient chart and ensures that each section is closed. The scribe prints outpatient After Visit Summary (AVS) Medication Rx, Eyeglass Rx and delivers documents to physician.

In addition to these duties, the ophthalmic scribe may be assigned to act as a facilitator to patients as they arrive at each location ensuring the patient is directed to the correct area for ancillary testing prior to a physician visit or escort the patient to the various locations within a department when necessary.

**Ophthalmology Clinical Research Coordinator:**
As a Clinical Research Coordinator, your responsibilities include but are not limited to: assisting in conducting clinical trials, maintaining study compliance, providing patient care, assisting physicians and study coordinators with study procedures and treatments, coordinating data collecting, disseminating patient protocol information, recruiting patients, monitoring protocol adherence, maintaining research files, while ensuring compliance with Good Clinical Practice (GCP). As part of this research team, you will work both independently and collaboratively with other research coordinators and physicians in several subspecialties, including retina, glaucoma, cornea, and comprehensive ophthalmology. You will serve as primary coordinator for several research protocols, each led by different Principal Investigators within the department.

This position offers great opportunities for patient contact, beginning with the research consenting process. Research coordinators also have the opportunity to learn clinical skills such as phlebotomy and ocular imaging techniques. This position requires attention to detail and self-motivation, as you are required to maintain the organization of study data while ensuring patients’ needs are met. Depending on demonstrated experience and enthusiasm, candidates will also have the opportunity to participate in data analysis and manuscript writing for research projects. We are looking for a team player with a passion for patient care to join our physicians, research coordinators and students in leading and executing our clinical trials.

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**Vanguard Inc.**
The Vanguard Group is an American investment management company based in Malvern, Pennsylvania, that manages approximately $3.6 trillion in assets.

**IT College to Corporate Internships – Application Development, Information Security, Technology Operations (sophomores & juniors eligible)**
Enhance your education with a firm recognized for IT excellence

IT College to Corporate (C2C) Internship Program – App Development

As a virtual company, our technology teams play a strong role in helping Vanguard achieve business and crew-related goals. We are constantly seeking the next generation of experts to help us drive business results. To further develop these future specialists, Vanguard offers the IT College to Corporate Internship Program.

The IT C2C program is ideal for technologically proficient individuals who can help Vanguard maximize the benefits of technology. Our innovative approach has seen Vanguard place 15th in the ‘InformationWeek 500’, the magazine’s annual list of top IT innovators, and rank 48th in Computerworld magazine’s ‘2016 Best Places to Work in IT’. We want to continue this trend by providing a stimulating, career-building opportunity to driven individuals who want to learn, and be a part of, the ways technology contributes to Vanguard’s success.

About the program
The program is a full-time, paid summer internship available at our Valley Forge, Pennsylvania or Charlotte, North Carolina locations. Extensive training, real-world experience, hands-on opportunities and guidance from professionals will all aid in broadening your technical expertise in Application Development. You’ll receive exposure to a variety of aspects of the software life cycle and positively impact our clients through one of these challenging assignments:

UI, Mid-tier or host development
Application or automated testing
Requirements analysis
User interface (UI) design
Networking services and Telecommunications
Supporting Unix & Linux or Windows platforms
Capacity planning
Performance analysis
Supporting video and voice technologies

Interns will build their skills using some of the latest technology, including:

Databases: DB2, Oracle, SQL Server
Languages/Tools: Java, JSF, Ajax, JavaScript, AngularJS , C/C++/C#, XML, XSLT, HTML, XHTML, CSS, COBOL, Maven, Hudson, Subversion, Nexus, JTest. Sharepoint, Selenium, Cucumber, SonarCube
Concepts: Distributed systems, Tiered development, Data Driven decision making. Service Oriented Architecture, responsive design, Automated Testing

Java Developer:

Vanguard is currently seeking an entry level Java Developer to join this engaged and effective team.

In the Java Developer role, you’ll help produce quality software, partner with experts to identify solutions, and help business areas plan and achieve their goals using cutting-edge technology. But it’s not just state-of-the-art technology and a supportive environment that make Vanguard a desirable employer; we offer sophisticated training, career development opportunities, a policy of promoting from within, and workplace flexibility. As a Vanguard Java Developer, you won’t just create software, you’ll drive the organization to be a step ahead in the IT industry.

During a typical day, a Java Developer:

Provides entry level system analysis, design, development, and implementation of applications and databases for mainframe, client/server, Web-, and/or PC-based software or middleware. Integrates third party products.

Translates technical specifications, and/or logical and physical design into code for internal clients.

Develops code based on reading and understanding business and functional requirements following the Agile process. Writes programs, ad hoc queries, and reports.

Elevates code into the development, test, and production environments on schedule. Provides follow up support. Submits change control requests and documents.
Learns and follows software development methodology and architecture standards.

Participates in design, code, and test inspections throughout the life cycle to identify issues.

Participates in systems analysis activities, including system requirements analysis and definition (e.g., prototyping), and logical and physical design.

Writes the system/technical portion of assigned deliverables, including the Version Description Document.

Assists technical team members with the system/technical portion of their deliverables, e.g., Systems Testers, test plans. (On small teams, the Developer may write these items.). Interacts with architects, other tech leads, team members and project manager as required to address technical and schedule issues.

Acts as a System Tester for unit, integration, systems, acceptance, and related testing. Writes the test plan to ensure requirements are satisfied.

Learns Vanguard’s tools, technologies, applications/databases, as well as business functions and their systems.

Learns and complies with all IT and Information Security policies and procedures.

Participates in special projects and performs other duties as assigned.

Technology Leadership Program – Application Development:

For the unique leader who can guide technology experts

Technology Leadership Program (TLP), a Vanguard Specialty Program (VSP)

Locations: Charlotte, NC and Malvern, PA

As a virtual company, our technology teams play a strong role in helping Vanguard achieve business and crew-related goals. We need effective leaders to guide these experts in driving our business results. To develop future leaders, Vanguard offers the Technology Leadership Program (TLP).

The program is designed for individuals who wish to mentor and coach those specialists who help Vanguard maximize the benefits of technology. Our past achievements have seen Vanguard place 15th in the ‘InformationWeek 500’, the magazine’s annual list of top IT innovators, and rank 48th in Computerworld magazine’s ‘2016 Best Places to Work in IT’. TLP is ideal for individuals interested in developing leadership skills that will help Vanguard continue their success in the field of Information Technology.

About the Program:

The TLP is a two year rotational development program available to graduating college seniors, who are ready to enter the business world and eager to develop their IT skills. Rotations will consist of three, eight month assignments where you will apply your skills and technical knowledge to successfully meet outlined objectives. Participants will build their skills using some of the latest technology. Graduation from the program is contingent upon successful completion of all rotations and outlined objectives.

After successful completion of the program, past TLP graduates have been exposed to exciting enterprise initiatives such as:

Global Portfolio Management: construction and performance analytics
Investor technology: trading tools and financial advice modeling

Internal systems: intranet content management and vendor systems integration

Technical thought leadership: security, cloud-based computing, innovation and research

This program is available in both PA and NC. For PA participants, students may select the Application Development, Risk Assurance or Technology Operations track. For NC participants, all rotations will take place in Application Development.