Steven Solar

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EDUCATION

Johns Hopkins University **Baltimore, MD**
B.S. in Computer Science and Biomedical Engineering Expected May 2022

- **Cumulative GPA:** 3.95/4.00
- **Coursework:** Algorithms, Computer Networks, Computer System Fundamentals, Data Structures, Linear Algebra, Differential Equations, Discrete Math, Calculus 1-3

EXPERIENCE

Google **Cambridge, MA (Virtual)**
Incoming STEP Intern May 2020 – August 2020

- I will complete a challenging technical project on the Google Cloud Core and Networking Infrastructure team, learning best practices and how to build at scale
- I will attend technical talks by senior Googlers, gain insight into the company, learn about new technologies, and develop a strong engineering skill set

Sokat **Rockville, MD**
Machine Learning Engineering Intern - <Python, SQL, AWS: EC2, S3, SageMaker, Textract> June 2019 – August 2019

- Built machine learning models, using natural language processing, to automate the grant review process for an $80 billion share of the federal grants industry
- Presented research on trends and patterns in the grant review process to company executives and government officials, informing them of findings and pitching our technology
- GrantSolutions (parent) named Winner of the 2019 Government Innovation Award for Sokat's developments

Semester.ly **Baltimore, MD**
Full Stack Engineering Intern - <Python, Django, HTML, CSS, React, Redux> January 2019 – May 2019

- Increased platform usage for course discovery through improving the advanced search feature, presented the finished project to company founders and the director of undergraduate studies
- Parsed the school's API to retrieve course data and expand the course database, added information to front-end
- Created features that will be used by over 3,000 students

Treyetech Inc. **Baltimore, MD**
Director of Operations <CAD> October 2018 – present

- Designed and developed a novel patent-pending medical device to simplify a corneal transplant known as DMEK
- Oversee research, communication with clinical sponsors, device development, regulatory affairs and IP
- Authored paper published in *Cornea* and presented at AAO, co-authored paper published in *ASME* Med Devices
- Raised $100,000 of funding through pitching, preparing business plans and developing relationships with partners

PROJECTS

- **Snake** (Java): Created the game Snake as a Java Applet
- **Photo Editor** (C): Photo editor that can turn photos black and white, color shift, rotate, and blur photos
- **Skip Bo** (C++): Created the game Skip Bo to be played with multiple players
- **RadiYo** (Flutter): Mobile app for anonymous posting and communication by users based on current location, university and hometown
- **DiceRoller** (iOS): A simple mobile application to roll a pair of dice

SKILLS AND INTERESTS

Skills: Python, Java, C, C++, SQL, AWS, HTML, CSS, React, Redux, Django, Git
Organizations: Phi Kappa Psi Fraternity (Maryland Alpha Chapter), TAMID Group
Interests: Personal trading, ultimate frisbee, skiing, learning to play guitar