

Steven Solar

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EDUCATION

Johns Hopkins University

B.S. in Computer Science and Biomedical Engineering

Baltimore, MD

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

Pittsburgh, PA (Virtual)

Incoming STEP Intern - <HTML, CSS, Javascript>

May 2020 – August 2020

- Complete a series of independent starter projects, spanning frontend and backend development, utilizing APIs and practicing test driven development
- Work with a pod of interns to build a capstone project, working both as engineers and product managers
- 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

Software Engineering Intern - <React.js, Redux, JSX, Python, Django, HTML, CSS>

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

Team Lead/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

- **BookClub.io** (MERN stack): Building a web app to create and share book lists, join book clubs
- **Feed** (Sketch): Designed and pitched a mobile app targeting food insecurity, won \$1K at demo
- **Skip Bo** (C++): Created the game Skip Bo to be played with multiple players
- **Snake/Pong** (Java): Created the games Snake and Pong as Java Applets
- **Photo Editor** (C): Photo editor that can turn photos black and white, color shift, rotate, and blur photos

SKILLS AND INTERESTS

Skills: Java, C++, Python, C, React.js, Express.js, MongoDB, Redux, Javascript, HTML, CSS, Django, Git, AWS

Organizations: Phi Kappa Psi Fraternity (Maryland Alpha Chapter), TAMID Group

Interests: Science fiction, personal trading, ultimate frisbee, skiing, learning to play guitar