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Richie Goulazian

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Education

University of Pittsburgh, Honors College
B.S. Computer Science

August 2019 – April 2023
GPA: 4.0/4.0

Relevant Coursework: Data Structures & Algorithms, Deep Learning, Operating Systems, Computer Organization & Systems Software, Computer Networking, Web Development, Linear Algebra, Statistics

Skills

- Experienced: **Java, Python, JavaScript, TypeScript, Git, Web development** (Node.js, React, Next.js, Redux)
- Familiar: **C++, Go, Linux, C#, gRPC, Deep learning** (PyTorch), **Deployment** (Kubernetes, Docker), **Cloud** (AWS, GCP)

Work Experience

Semiotic AI
Software Engineering Intern

January 2022 – Present
Los Altos, CA (Remote)

- Leading research for [The Graph Protocol](#) to predict GraphQL query costs using deep learning (**Python, PyTorch, GCP, Kubernetes, Docker, Web3**)

Aurora Innovation
Software Engineering Intern

September – December 2021
Pittsburgh, PA (Remote)

- Built out features for an internal web application used to visualize the high-definition map data consumed by autonomous vehicles (**Go, TypeScript, gRPC, React, Redux, AWS, Kubernetes**)
- Migrated application functionality from a monolithic service to a microservice (**Python, Go, Postgres, AWS, Kubernetes**)
- Optimized the map visualization database built supporting CLI tools (**Python, Postgres**)

Google
Software Engineering Intern

May – August 2021
New York, NY (Remote)

- Developed a web-based debugging tool for the experimentation framework used across Google (**Java, TypeScript**)
- Projected to increase the productivity of **1000+** Google engineers through a user-friendly UI and intelligent input validation
- Completed the project 5 weeks ahead of schedule, leaving time to design and implement additional features, add analytics, and launch the product to collect and iterate on feedback

Google
STEP Intern

May – August 2020
Sunnyvale, CA (Remote)

- Worked in a 3-intern team to design, develop, and deploy a mentorship web application for first-time contributors to open source: git.io/JJnot (**Java, JavaScript, React, RESTful API, OAuth, Google Cloud**)
- Completed a 5-week Google training course on **web development, git, testing**, and **coding best practices**: git.io/JJn6u

Timberlane Inc
Software Engineering Intern

March – August 2019
Montgomeryville, PA

- Developed a web-based product configuration software that streamlined the ordering process (**Python, HTML & CSS**)

Projects

VaccinatePA
Co-Founder

January – July 2021

- Co-founder and lead technical developer of a website for finding COVID-19 vaccine appointments in PA with **450,000+ users**: VaccinatePA.org (**TypeScript, Python, React, Next.js, AirTable**)
- Recruited **200+ volunteer callers** to regularly collect information from **1600+** PA vaccine providers and engaged with extensive press coverage (**10+ news interviews**) to increase awareness of the website: linktr.ee/vaccinatepa

Activities and Leadership

Computer Science Club
Director of Experiential Learning

April 2020 – Present
University of Pittsburgh

- Strengthening the Pitt CS project community by creating and running a 5-week virtual hackathon with 100+ participants
- Empowering Pitt's next generation of computer science students by running a mentorship program with 100+ members