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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, Go, JavaScript/TypeScript, Kubernetes, Git, Web dev (Node.js, React, Next.js, Redux)
- Familiar: Linux, C++, C#, Postgres, gRPC, Docker, Deep learning (PyTorch), Cloud (GCP, AWS, Terraform)

Work Experience

Two Sigma May 2022 – Present
Software Engineering Intern New York, NY

- Implementing real-time resource usage tracking for large Kubernetes compute clusters (**Go, Kubernetes, GCP, ELK**)

Semiotic Labs January – May 2022
Research Intern Los Altos, CA (Remote)

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

Aurora Innovation September – December 2021
Software Engineering Intern 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 database of the visualization software and built supporting CLI tools (**Python, Postgres**)

Google May – August 2021
Software Engineering Intern 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 May – August 2020
STEP Intern 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 March – August 2019
Software Engineering Intern Montgomeryville, PA

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

Projects

VaccinatePA January – July 2021
Co-Founder

- 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, University of Pittsburgh April 2020 – April 2022

- Strengthened the Pitt CS community by creating and running two 5-week virtual hackathons with **100+ participants** each