# Richie Goulazian

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## Education

**University of Pittsburgh, Honors College**                             August 2019 – April 2023
B.S. Computer Science                                                          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*
- Designed and implemented real-time usage tracking for large compute clusters (**Go**, **Kubernetes**, **GCP**, **ELK**)

**Semiotic AI**                                                                   January – May 2022
*Software Engineering 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 project community by creating and running two 5-week virtual hackathons with **100+ participants**