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Richie Goulazian

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Education

University of Pittsburgh, Honors College

Intended graduation: April 2023

B.S. Computer Science

GPA: 4.0/4.0

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

Skills

- Experienced: **Java, C#, Python, JavaScript, TypeScript, Web development** (Node.js, React, Next.js)
- Familiar: **C++, Deep learning** (PyTorch), **Docker**

Work Experience

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 **8000** 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 and quoting software that expanded customization options, streamlined the ordering process, and communicated directly with existing enterprise software (**KBMax Snap, Python, HTML & CSS**)

Activities and Leadership

VaccinatePA

January – July 2021

Co-Founder

- Co-founder and lead web/infrastructure developer of a website for finding COVID-19 vaccine appointments in PA with **450,000+ users**: VaccinatePA.org (**TypeScript, React, Next.js, AirTable**)
- Recruited **200+ volunteer callers** and developed an email-based phone call distribution system to regularly collect information from **1600+ PA vaccine providers** (**Python**)
- Engaged with extensive press coverage (**20+ news interviews**) to increase awareness of the website and to recruit new volunteers: linktr.ee/vaccinatepa

Computer Science Club

April 2020 – Present

Director of Experiential Learning

University of Pittsburgh

- Strengthening the Pitt CS project community by creating and running a 6-week virtual hackathon with 100+ participants
- Empowering Pitt's next generation of computer science students by running a mentorship program with 100+ members

Quantum Computing Research

January – April 2020

Software Developer

University of Pittsburgh

- Refactored the sequencing software for an analog wave generator; greatly increased readability and extensibility (**Python**)
- Used **Sphinx** to create a documentation system for the quantum computer control and experimentation codebase

Projects

Reinforcement Learning in MOBAs, Deep Learning Class Project

January – May 2021

- Used **Python** and **PyTorch** to train an RL agent in a MOBA environment; used self-play, LSTMs, PPO, and GAE: git.io/JZJ2x

Honors

Computer Science Excellence Award, Council Rock North

June 2019

George Gilbert Scholarship (Mathematics Excellence)

June 2019

Kiwanis Club Scholarship (Academic Excellence)

June 2019