Michael Giardino

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EDUCATION

University of Rochester   **Rochester, New York**
Bachelor of Science, Computer Science (Minor in Mathematics)   *Anticipated May 2023*
- GPA 3.79 out of 4.00, Deans list all eligible semesters.
- Xerox Award for Innovation and Information Technology (2018)

EXPERIENCE

Slack   **San Francisco, California**
Backend Software Engineer Intern   *May 2022 – August 2022*
- Led development and distribution of a medium priority bug fix affecting file sharing for 200 paid organizations.
- Increased efficiency in a key CE team workflow by 66% through the creation of an email bounce diagnostics tool.
- Contributed to a system hardening initiative, securing a file permissions API endpoint consumed by 10M DAU.

Ratio Finance   **Amsterdam, Netherlands**
Full Stack Developer   *January 2022 – April 2022*
- Implemented and tested withdrawal limits for a smart contract holding over $4 million in assets utilizing Rust.
- Contributed to development of a custom unit testing framework reducing unit test development time by 25%.
- Enabled deposits and withdrawals from the React frontend utilizing Typescript and the web3.js library.

IBM   **Hartland, Wisconsin**
Software Engineer Intern   *May 2021 – November 2021*
- Enabled the creation of reusable end to end tests through the creation of an automation framework using Pytest.
- Implemented 100+ tests in the framework, saving an estimated 50 hours of manual testing per release cycle.
- Designed and created a program to reset credentials across 1000+ machines to satisfy IBM security standards.
- Lead training sessions and developed instructions for the distribution of my program to a team of 40+.

Funko Dojo (Mojo Labs LLC.)   **Glen Rock, New Jersey**
Founder and Software Lead   *May 2018 – Present*
- Directed a subscription service with 500 members that automates the tracking of limited-edition collectible items.
- Built a payment portal utilizing the Stripe API, Python Flask, MongoDB, and React that has collected $250,000+.
- Decreased development time of core features by 50% through the creation of a Python scraping framework.
- Utilized AWS Lambda and EC2 to build a Slack integration to cut down purchasing time for collectibles by 90%.
- Decreased support response time by 60% by creating a ticket system with a microservice architecture.

CAMPUS LEADERSHIP ACTIVITIES

RocLab   **Rochester, New York**
Founder and Co-Director   *October 2020 – January 2022*
- Founded a student-led organization that builds software for departments at the University of Rochester.
- Established 3 project proposals and timelines for departments on campus, securing $10,000+ in funding.
- Created and led recruitment for 6 paid software development jobs for students.

SKILLS

- Proficient in: Python, Java, Rust, C, C++, JavaScript (Node.js, React), Hack/ PHP, HTML, CSS, SQL
- Experience with Git, MongoDB, MySQL, Linux, AWS, Terraform
- Proficient in the use of Adobe Illustrator and Figma

PROJECTS

- **AURA (2022):** A website connecting undergraduates to research opportunities on their campus (Python, Flask)
- **SLOW (2022):** An extension that utilizes a proxy to artificially throttle network traffic on distracting apps (React).
- **Beans (2022):** A DVCS system like git allowing programmers to track file changes and collaborate (Rust).
- **Sanitracker (2020):** A Twitter bot developed during the Covid-19 pandemic to give consumers an advantage in purchasing sanitizing products at a time in which supply was limited (Python, Twitter API).