Ethan Trosper

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Career Summary

Computer Science undergraduate seeking a full-time position post-graduation, leveraging extensive experience in full-stack development, AI integration, and automated testing. Adept at working with startups and large enterprises, having worked at the Department of State and Intelligrit. Proven track record developing projects on-site with customers, possessing a solid foundation in diverse programming languages and technologies. Driven by a passion for innovative solutions, and ready to contribute to the tech industry.

Experience

Developer Intern, Contractor for The Department of State, The Prospective Group

May 2024 - Present

- Automated functional tests using Selenium, slashing test time by 2400%.
- Created a PowerShell harness for Selenium components, streamlining BA testers' operations with automated debug parsing and default test environments.
- Created a PowerShell auto installer and updater for Selenium IDE, Selenium CLI, and NodeJS with automatic dependency updating.
- Following the success of the project, trained new team member in Selenium automation testing at the end of my internship, ensuring smooth knowledge transfer and operations continuity.

Full-time Junior Full Stack Developer, Intelligrit

August 2020 – May 2024

- Integrated OpenAI and Anthropic API tools into project workflows, accelerating development timelines.
- Developed a file upload solution for ScyllaDB and Minio object storage, enhancing user data management.
- Developed a proof of concept transitioning the codebase from asynchronous to non-asynchronous Bottle implementation.

Education

- **Bachelor of Science, Computer Science, University of Florida** *2020 – 2024*

Skills

- **Programming Languages:** C, C++, PowerShell, Python3, Java, and JavaScript
- **Tools & Technologies:** Git, Selenium, Minio, Docker, D2, ScyllaDB, HTMX, Bootstrap5, Jinja2, ELEGOO Cura, Make, and Redis
- **Methodologies:** Agile and Kanban

Activities and Memberships

- Association for Computing Machinery (ACM)
- IEEE Computer Society
- Active member of the Society of Software Developers at the University of Florida.
- Setup, Manage, and Maintain a personal secure Ubuntu Linux Server on Linode Akamai.

Clearance

- Secret Level (Final Granted Summer 2024)