

Liam Ormiston

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Professional Summary

As a software developer with extensive experience in Python and JavaScript, I bring a combination of soft skills and technical proficiency honed in the fast-paced niche of high-frequency trading. My experience has centered around building and owning production-ready systems, where accuracy and efficiency are vital. I approach new challenges with confidence and humility. I break down complex problems into manageable parts while understanding my strengths and areas for growth. Eager to leverage these skills in a diverse setting, I am well-positioned to drive innovation and mentor emerging talent, whether in nimble startups or established corporate landscapes.

Work Experience

Tradebot Systems, Software Developer March 2021 - November 2023

- Contributed to UI design decisions and back-end optimizations for a proprietary in-house simulator.
- Spear-headed project to gather and integrate new data for the simulator to increase accuracy.
- Created numerous web-based dashboards integral to everyday research.
- Managed and ensured the accuracy of internal research pipelines that handle over five petabytes of data.
- Co-led the transition of the data pipeline from Luigi to Airflow, modernizing our research workflow.
- Developed custom wrappers for Airflow, aiding the seamless transition to Airflow for Research Analysts.
- Delivered two company-wide presentations on Git best practices, emphasizing code integrity and collaboration.

Garmin Intl., Software Engineer I-II July 2019 - March 2021

- Collaborated to develop a custom OEM infotainment solution for Daimler-Mercedes employing C++, Qt, and JavaScript.
- Innovated by adding over 25 language keyboards, enhancing global user compatibility.
- Pioneered collaboration with UX and Audio teams to brainstorm and implement distinct product sounds.
- Instituted a department-wide debug logging standard as a continuous improvement initiative for future projects.
- Rapidly revamped the integration process for CarPlay and Android Auto to align with production deadlines.
- Advocated for STEM by presenting at high school outreach events and participated in college recruitment events.

Cerner Corporation, Software Engineer Intern, May 2018 - August 2018

- Collaborated as a full-stack developer on a team that created a communication app for 200+ hospital clients.
- Engineered a message attachment feature that used Ruby on Rails and ReactJS.
- Ensured rigorous quality standards, achieving 100% test coverage for new features using Jest and Capybara.
- Presented my project to a diverse audience of over 50 current employees, team leads, and managers.
- Thrived within an Agile framework, participating in daily standups and weekly sprints.

Iris by Lowe's, Front End Intern, May 2017 - May 2018

- Integrated crop and upload features to a web application for IoT devices using JavaScript and NodeJS.
- Partnered with peers to develop a Git GUI, allowing Product Management to leverage version control for documents.
- Conducted in-depth protocol analysis with Wireshark, delivering insights that influenced device strategies.
- Contributed to web application development, empowering users to manage IoT smart home devices using Javascript.
- Initiated a feature allowing NOAA weather alert subscriptions, offering users a tailored experience.
- Engaged in Agile development, benefitting from the mentorship of highly seasoned engineers.

Personal Initiatives

SELF Alumni Board, Vice Chair, May 2021 - Present

- Lead as Vice Chair, presiding over semi-annual board meetings, thoughtfully setting agendas and outcomes in alignment with the Program's mission to cultivate exceptional leaders within engineering.
- Maintain and utilize SELF alumni database to bolster mentorship connections between students and professionals.
- Managed selection process for new Board members as Selections Chair, prioritizing diversity and active engagement.
- Oversaw annual onboarding of board members, ensuring a continuous influx of passionate, dedicated alumni leaders.

Education

University of Kansas, August 2015 - May 2019

- B.S. in Computer Science, Communication Studies Minor
- Honors Graduate, Self Engineering Leadership Fellow, Lambda Pi Eta Member