

Liam Ormiston

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SKILLS

Languages: Python, C++, JavaScript, HTML/CSS

Technologies: Linux, Matplotlib, NumPy, Pandas, PySpark, Hadoop, HDFS, Parquet, Airflow, MongoDB, Flask, Git, Qt, ThreeJS, ModelViewer, Variable Fonts, Agile Methodologies, ETL Pipelines.

EXPERIENCE

Self-Employed, Freelancer & Consultant, Nov 2023 ~ Present

- Independently managed the SDLC and communicated with clients to translate requirements into tech solutions.
- Created an infinite, omnidirectional website using ThreeJS to showcase a graphic designer's portfolio.
- Utilized ModelViewer and JavaScript to render, shade, and interactively rotate a 3D logo for a private equity firm.
- Managed the integration of custom software into existing legacy code.
- Maintained open and consistent communication with clients, enabling rapid feedback and ensuring satisfaction.

Tradebot Systems Inc., Software Developer, Mar 2021 ~ Nov 2023

- Contributed to back-end optimizations for a proprietary simulator built in Python.
- Integrated new trading data via Hadoop and PySpark that increased simulator accuracy by 20%.
- Collaborated with Analysts and Traders to form new trading strategies that increase profit by 10%.
- Created dashboards to monitor latency in the trading system; utilized by over 50% of the company.
- Managed and ensured the accuracy of research pipelines responsible for over five petabytes of data.
- Transitioned the data pipeline from Luigi to Airflow with zero down time and over 1000 tasks.
- Submitted bug reports and pull-requests to Airflow Devs to ensure a smooth transition to Airflow.
- Delivered two company-wide presentations on Git best practices as a subject matter expert.

Garmin International, Software Engineer I-II, Jul 2019 ~ Mar 2021

- Develop a custom OEM infotainment solution for Mercedes-Benz with C++, Qt, and JavaScript.
- Adhered to high coding standards to produce code resilient enough to be in critical vehicular systems.
- Programmatically integrated different language keyboards that enhanced global compatibility by 25x.
- Initiated collaboration with UX and Audio teams to implement a suite of over 10 distinct product sounds.
- Instituted a debug logging standard as a continuous improvement initiative utilized by over 200 developers.
- Presented at high school outreach events and participated in college recruitment events.

PERSONAL INITIATIVES

Engineering Leadership Alumni Board, Vice Chair, May 2021 ~ Present

- Presided over semi-annual board meetings, setting agendas and outcomes.
- Proposed new amendments to bylaws; prompted board restructure to better align with program goals.
- Maintained and leveraged alumni databases to bolster mentorship between students and alumni.

EDUCATION

University of Kansas, Computer Science B.S., Aug 2015 ~ May 2019

Honors Graduate, Communication Studies Minor, Engineering Leadership Fellow Cohort President, Peer Leadership Consultants President, Association for Computing Machinery Secretary, Communication Studies Honor Society Member, Alpha Sigma Phi Founding Father.