HARRISON UNRUH

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Education

CORNELL UNIVERSITY — Ithaca, NY
Master of Engineering, Computer Science — Expected graduation May 2019

CORNELL UNIVERSITY, — Ithaca, NY
Bachelor of Arts, Computer Science — Aug 2015 - Dec 2018

Campus Involvement:
Men's Varsity Lightweight Rowing • Medium Design Collective • Cornell Chess Club

Selected Coursework:
Systems Programming • Information Retrieval • Analysis of Algorithms • Databases • Operating Systems • Distributed Computing • Machine Learning

Experience

ITERATE LABS — Ithaca, NY
Software Engineering Consultant — Mar 2017 - Present
- Led front-end development of a client-facing data analytics platform from concept sketches to implementation with React/Redux
- Designed the company's cloud platform and data pipeline architecture using Amazon Web Services

AMAZON — Seattle, WA
Software Development Engineer Intern — May 2018 - Aug 2018
- Analyzed data from Amazon.com sign-in activity to identify new metrics for use in machine learning models to improve fraud detection
- Developed a cost-effective architecture for integrating new fraud detection metrics with existing high-volume compromise detection systems

SILVER SPRING NETWORKS — Portland, OR
Software Engineering Intern, Internet of Things — May 2017 – Aug 2017
- Configured and deployed a Docker-based data ingestion and management platform using Amazon Web Services, a Hadoop stack, and Apache NiFi
- Debugged and resolved user experiences issues in a React platform for simulating multi-device data streams

Projects
- Trino: Led programming on a team of six students to develop a puzzle game which won the Audience Choice award at the 2018 Cornell Game Showcase and was selected for exhibition at the Boston Festival of Indie Games (*trinothegame.com*)
- Steamy Reviews: Developed a game recommendation engine that evaluates game similarity by analyzing reviews on Steam (*steamyreviews.infosci.cornell.edu*)
- Alerion Capital Group Website: Re-envisioned the company's website from scratch to modernize design and improve mobile compatibility (*www.alerion.com*)

Additional Skills

Developed projects using C, Java, OCaml, Python, HTML, CSS, and PHP
Familiar with jQuery, D3.js, React, and the Anaconda data science platform
Experienced with Docker, Unix environments, and large software system development