

# HARRISON UNRUH

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## Education

### CORNELL UNIVERSITY

Ithaca, NY

College of Arts & Sciences, Computer Science major      Expected graduation May 2019  
Cumulative GPA: 3.588

Campus Involvement:

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

Selected Coursework:

Object-Oriented Programming Honors • Systems Programming • Linear Algebra

- Discrete Structures • 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 (*steamreviews.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*)
- End Human Trafficking Hackathon: Developed a Flask web application to improve the speed of human trafficking reporting by the New York Police Department

## 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