

Neil Schultz-Cox

Newport Beach, CA
(507) 593-9313
neiltcox@icloud.com
neiltcox.com
GitHub: @neiltcox

Experience

Beyond Limits - Glendale, CA - *Software Engineering Intern*

June 2019 — September 2019

- Deployed AWS Lambda ingestion mechanism in Go, allowing for consumption of 1000's of historical oil refinery data points.
- Integrated 8 new front-end features on customer-facing React app.
- Developed extensible role-based access control interface utilizing Neo4j graph DB, enabling users to fine-tune feature access.
- Wrote testing suite in Go with 75% code coverage for application backend.
- Created production deployment pipeline through Docker and AWS for application PoC feature set.

Moboware - Tustin, CA - *Software Engineering Intern*

June 2018 — September 2018

- Sanitized cloud telemetry data by upgrading Python scripts, resulting in 10% more accurate usage statistics & revenue recovery.
- Revived lost revenue collection channels using Python & MySQL, generating 5x ROI.

The Portal - Irvine, CA - *Web Development Apprentice*

January 2018 — June 2018

- Developed multiple projects ground-up using Node.js, Express, MongoDB, PostgreSQL, Bootstrap, EJS, Mocha, Chai, & TestCafe.

Projects

foodify - *Blockchain for produce supply chain accountability*

Developed backend API and primitive blockchain, connected to a web application in order to track produce throughout its supply chain and increase consumer trust.

Fabflix - *Full-stack e-commerce platform for film*

Created scalable microservice architecture and integrated PayPal API, allowing users to search and purchase movies from a large collection.

Steve.ai - *Combat neural net in Minecraft*

Implemented a reinforcement learning algorithm and deep q network using Tensorflow, capable of automatically combating adversaries in Minecraft.

Education

University of California, Irvine - *B.S. Computer Science*

Bren School of Information & Computer Science - 3.4 GPA

September 2016 — December 2019

Involvement

Blockchain at UCI

Co-Founder

- Planning & logistics for 400+ attendee conference
- Speaker at 200+ attendee events
- UCI Continuing Education Blockchain Course Development

UCI Information & CS

Student Council

Webmaster

- Wordpress development & maintenance

Skills

Project Experience

Python, Javascript, Java, Go, Swift

Node.js, Jersey, Feathers.js

HTML, CSS, EJS, React, Bootstrap, Bulma

MySQL, PostgreSQL, MongoDB, Neo4j

Linux, Git, TDD, BDD

Academic Exposure

C++, C