Gordon Finnie III

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TECH

- JAVASCRIPT
- REACT, WEB COMPONENTS
- ADOBE ILLUSTRATOR
- PYTHON
- HTML, CSS, SASS
- GIT, UNIX
- TYPESCRIPT
- ROLLUP, GULP, WEBPACK
- AGILE, SCRUM

EXPERIENCE

Digital Alloys — Software Engineer, 2018 →

- Lead designer, architect, and front end engineer of a 3D printing web application suite.
- Created an event-driven Printer Console UI for controlling hardware subsystems and executing prints.
- Developed an interactive toolpath planning Slicer using 3D (three.js) and 2D (canvas) interfaces.
- Enabled operations workflows through an administrative interface built upon our microservice REST apis.
- Assisted in prototyping data analysis scripts and visualizations for control system development.
- Established and maintained the company design system, Ohm Design, including a web component library used throughout the company.

Rethink Robotics — Software Engineer, 2017 → 2018

- Developed an event-driven robot task training web application.
- Worked with Product Managers and UX Designers to develop and deploy production features for task design, 3D simulation, and interactive robot arm control.
- Lead development of a mobile web-based robot toolkit.
- Worked closely with UX to introduce UI component best practices and codify design standard.

Rethink Robotics — QA Engineer, 2016 → 2017

- Designed and executed automated and manual test cases for collaborative robot arm software.
- Wrote python library of data extraction and analysis tools to better inform test, development, and product efforts.

EnerNOC — Software Intern, 2016

- Improved customer onboarding time for an energy intelligence application by building an online portal using polymer, node, and mongo db.

Williams College, Web Ops — Software Intern, 2012 → 2015

- Helped professors and administrators produce and maintain wordpress content

Williams College, Computer Science — Research Fellow, 2013 → 2015

- Developed and deployed machine learning algorithms for recognizing appliances in smart home energy data and gestures in smart watch accelerometer data.

EDUCATION

- Computer Science, Bachelor of Science, Williams College — 2016
- Mathematics, Bachelor of Science, Williams College