

# GORDON FINNIE III

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## TECH

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

## EXPERIENCE

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SW ENGINEER

*DIGITAL ALLOYS*

2018 - PRESENT

- + LEAD DEVELOPER ON THE FOUNDRY WEB APPLICATION FOR 3D PRINTING. LEVERAGED PROGRESSIVE WEB FEATURES WITH REST AND WEBSOCKET APIS TO MANAGE AND CONTROL APOLLO 3D PRINTERS.
- + DEVELOPED TOOLS FOR INTERACTIVE TOOLPATH PLANNING AND DATA ANALYSIS.
- + CREATED AND MAINTAINED A WEB COMPONENT LIBRARY USING LITELEMENT.
- + ESTABLISHED THE COMPANY DESIGN SYSTEM, USED IN BOTH UI DEVELOPMENT AND BRANDING APPLICATIONS.

SW ENGINEER

*RETHINK ROBOTICS*

2017 - 2018

- + DEVELOPED A MULTI PLATFORM ROBOT TRAINING PROGRESSIVE WEB APPLICATION.
- + IMPLEMENTED PRODUCTION FEATURES FOR TASK DESIGN, 3D SIMULATION, AND JOINT CONTROL.
- + LEAD DEVELOPMENT OF A MOBILE WEB-BASED ROBOT TOOLKIT.
- + INTRODUCED COMPONENT ARCHITECTURE BEST PRACTICES TO ENABLE UX AGENCY.

QA ENGINEER

*RETHINK ROBOTICS*

2016 - 2017

- + DESIGNED AND EXECUTED AUTOMATED AND MANUAL TEST CASES FOR ROBOT SOFTWARE.
- + WROTE PYTHON LIBRARY OF INTERNAL DATA EXTRACTION AND ANALYSIS TOOLS TO BETTER INFORM TEST, DEVELOPMENT, AND PRODUCT EFFORTS.

SW INTERN

*ENERNOC*

2016

- + IMPROVED CUSTOMER ONBOARDING TIME BY BUILDING AN ONLINE PORTAL USING MONGO DB, NODE, AND POLYMER JS.

SW INTERN

*WILLIAMS COLLEGE, WEB OPS OFFICE*

2012-2015

- + AIDED IN THE MAINTENANCE AND PRODUCTION OF COLLEGE'S WORDPRESS CONTENT.

FELLOW

*NAT. SCIENCE FOUNDATION*

2013-2015

- + DEVELOPED AND DEPLOYED MACHINE LEARNING ALGORITHMS FOR RECOGNIZING APPLIANCES IN ENERGY DATA AND GESTURES IN SMARTWATCH ACCELERATION.