

Ari Porad

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<https://github.com/ariporad>

<https://portfolio.ariporad.com>

SKILLS JavaScript Node.js React Robotics Swift iOS Development Python MATLAB Git Unit Testing Data Analysis

EDUCATION

Olin College of Engineering — May 2024

B.S. in Engineering: Computing. Earned 50% merit scholarship.

Relevant Classes: Fundamentals of AI, Quantitative Engineering Analysis, Modeling and Simulation of the Physical World

Seattle Academy of Arts & Sciences — 2020

High School. Unweighted GPA: 3.98.

Relevant Electives: Operating Systems (Independent Study), Honors Software Development, Dealing With Data

COMMERCIAL APPS

Castbridge — <https://castbridge.io>

FOUNDER, CEO & SOLE DEVELOPER

- Castbridge connects incompatible home audio ecosystems; enables streaming from Mac & iOS to Chromecasts via AirPlay
- Independently designed, developed, released, and marketed
- Hundreds of paying users in dozens of countries
- Paid MacOS app written in Javascript and Electron

Kinoki — Retired

FOUNDER, CEO & SOLE DEVELOPER

- Free-to-play educational iOS math game for practicing algebra and problem-solving skills
- Published to the App Store
- Hundreds of users with 92% 5-star reviews
- iOS app written in Objective-C and UIKit

INTERNSHIPS

Microsoft — Summer 2018 & 2019

PLATFORM SOFTWARE ENGINEERING INTERN — SUMMER 2019

- Designed, built, tested, and documented core parts of an unreleased next-generation Microsoft application platform
- Platform currently powers a Microsoft productivity application with hundreds of thousands of active users
- Platform is written in TypeScript and React

WEB APPLICATION TESTING INTERN — SUMMER 2018

- Developed UI- and unit-testing infrastructure for a web app
- Tests written using Selenium in .NET, C#, and JavaScript
- Collaborated to integrate with existing app and infrastructure

Pro.com — Summer 2017

MOBILE DEVELOPMENT INTERN

- Pro.com is an online general contractor focused on improving the home renovation experience
- Built geolocation features in a Swift-based iOS app
- Features improved the accuracy of customer billing

First Round Capital — April - August 2020

AUTOMATION ENGINEERING INTERN

- First Round makes investments in early-stage startups
- Worked to evaluate opportunities for automation
- Developed automations using JavaScript and Tray.io

TEAMS

FIRST Robotics Competition — 2016 - 2020

TEAM CAPTAIN, PROGRAMMING LEAD

- Developed control algorithms to correct for mechanical variances and to assist drivers
- Emphasis on team leadership, management, resolving conflict, planning, and prioritization
- Attended State & World Championships
- FIRST Dean's List Semifinalist (individual award)
- Winner of programming award ("Control Award")

Olin RoboLab — Jan 2021 - Present

INDEPENDENT COMPUTER VISION RESEARCH PROJECT

- Researched use of structured light for autonomous underwater vehicle navigation and obstacle avoidance
- Performed self-directed, self-designed research
- Worked on robotic fish project for littoral water exploration

Olin Rocketry Team — Fall 2020

DESIGNED & BUILT ROCKET FOR IREC 10,000FT COMPETITION

- Responsible for tracking subsystem power usage
- Designed and tested radio communication subsystem

FREELANCE CONTRACTS

Healthy School Buildings — 2018 - 2019

FREELANCE REACT NATIVE JAVASCRIPT DEVELOPER

- Contributed to a React Native Android app to allow teachers to report unsafe or unhygienic conditions in public schools
- Worked with teammates to maintain backwards compatibility

Rover.com — Fall 2017

FREELANCE SERVERLESS PYTHON DEVELOPER

- Collaborated with stakeholders to specify, build, test, and deploy an Amazon Alexa Skill written in serverless Python
- Worked with operations team to use existing infrastructure