

# Owen Voorhees

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## Skills

- 11 years of experience developing iOS and macOS applications
- Extensive Swift, C, and Objective-C experience on Apple platforms
- Compiler development experience using C++ and Swift
- Experience designing and developing backend APIs for mobile clients

## Education

**UNIVERSITY OF CALIFORNIA BERKELEY**

**B.S., ELECTRICAL ENGINEERING AND COMPUTER SCIENCE, 3.89 GPA**

**BERKELEY, CA**

**MAY 2020**

## Work Experience

**SOFTWARE ENGINEER, FIELDWIRE**

**(MAY 2018 - PRESENT)**

- Maintained the Fieldwire iOS app as part of a small, agile team
- Contributed complex features like a new task status UI and magnifying glass to improve drawing precision on documents and plans
- Improved app performance by more than 20x for users with large ongoing projects and reduced crash rates.

**SOFTWARE ENGINEERING INTERN, YELP**

**(MAY 2018 - MAY 2020)**

- Developed new features for the Yelp iOS app and maintained existing functionality
- Helped improve and codify development practices of a rapidly growing team
- Designed new alerting systems to enable real time detection of system outages
- Developed new backend APIs to support features launching across multiple platforms

**FIELD DIAGNOSTICS ENGINEERING INTERN, APPLE**

**(MAY 2017 - DEC 2017)**

- Developed new iOS hardware diagnostics and helped maintain existing tools
- Wrote software to test functionality of external hardware from a host machine
- Applied machine learning algorithms at scale to diagnose hardware failures
- Worked with cross-functional teams to build tools meeting key business requirements

## Other Experience

**OPEN SOURCE CONTRIBUTOR, SWIFT COMPILER**

**(MAY 2019 - PRESENT)**

- Authored and implemented Swift evolution proposals [SE-0276](#): Multi-Pattern Catch Clauses and [SE-0284](#): Allow Multiple Variadic Parameters in Functions, Subscripts, and Initializers.
- Restructured the Swift compiler's diagnostics pipeline so error messages can carry richer semantic information, including new compiler-integrated documentation resources
- Contributed to the design and implementation of the [new Swift compiler driver](#)

**INDEPENDENT APP DEVELOPER, SQUIBNER LLC**

**(2009 - 2018)**

- Developed iOS applications as an independent developer