

Robert Schabacker

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Education

Stevens Institute of Technology, Hoboken NJ

Expected Graduation May 2022

Bachelor of Science, Computer Science, minor in Mathematics, GPA 3.98

Coursework includes: Software Development Process, Compiler Design and Implementation, Systems Programming, Programming Languages, Concurrent Programming, Computer Vision, Natural Language Processing

Skills

Software: Comfortable in JavaScript, OCaml, Python, Bash, Swift, Firebase Platform

Certifications: Google Cloud Platform Essentials

February 2019

Work Experiences

Prudential Financial, Newark NJ (Remote)

Software Engineering Intern

June 2020 - August 2020

- Unified DevOps onboarding process for several tech stacks by developing a dynamic web form to generate and update configuration files
- Used Node.js and Docker to deploy the web app through an AWS pipeline

Stevens Institute of Technology, Hoboken NJ / Remote

Course Assistant

January 2020 - December 2020

- Courses: Discrete Structures, Automata and Computation
- Taught a weekly lab section with review problems and programming assignments

Jackson Education, Denville NJ

App Developer

March 2018 - June 2020

- Developed application to notify customers of their scheduled appointments, allowing them to confirm appointments and take short assessments
- iOS application developed in Swift, Backend built with Firebase using Node.js

Projects

Compiler for Small Imperative Language

Spring 2020

- Implemented a parser, typechecker, frontend, and optimizing backend for an imperative programming language as part of a class on compiler design
- Compiler written in OCaml using LLVM as a middle-end and x86 as the target architecture

Altice University Hackathon (Third Place)

September 2019

- Redesigned the user interface of the Altice One iOS app and implemented voice commands to improve customer satisfaction
- Developed a prototype in Swift
- Presented our ideas to executives of Altice, Infosys, and Google as a team of two

Altice - Infosys University Hackathon (Third Place)

November 2018

- Implemented better accessibility options in websites, mobile apps, and Internet of Things devices to improve customer acquisition rates and avoid potential lawsuits
- Developed a prototype using JavaScript and CSS
- Presented our ideas to executives of Altice and Infosys as a team of four