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

Skills

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

Compiler Design & Implementation	Systems Programming	Programming Languages
Concurrent Programming	Computer Vision	Natural Language Processing

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
- Saved 5 team members multiple meetings for every pipeline provision by automating the creation and committing of files to version control
- 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