Robert Schabacker

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Education

Stevens Institute of Technology, Hoboken NJ
M.S., Computer Science, GPA 4.0 — Expected Graduation May 2022
B.S., Computer Science, minor in Mathematics, GPA 3.99 — Expected Graduation May 2022

Skills

Software: Proficient in Python, Java, Rust, C, JavaScript, Bash
Coursework includes:

Compiler Design & Implementation	Operating Systems	Concurrent Programming
Formal Verification of Software	Database Systems	Computer Vision

Work Experiences

Verisk Analytics, Jersey City NJ (Remote)
Software Engineering Intern — June 2021 - August 2021

- Refactored an HTTP utility library used in 6 Java projects to provide a common interface for developers across 3 teams
- Built a Java client to integrate with an external API, converting requests and responses to/from XML
- Developed, tested, and deployed a solution to a production issue involving incorrect data in over 4 million customer records

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 - May 2021

- 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

Proof-of-Concept Programming Language — Spring - Summer 2021

- Implemented a parser, typechecker, and compiler frontend for a C-like programming language, with generic data structures and functions implemented in a novel way
- Compiler written in Rust, using the LLVM infrastructure for optimization

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