

Austin Vesich

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Skills

Swift, C++, C#, Java, HTML, CSS, TypeScript, JavaScript, SQL, Node.js, Express.js, OOP, TDD
XCode, AWS (API Gateway, RDS, Lambda), Figma, Firebase, Git, Microsoft Office

EDUCATION

Rose-Hulman Institute of Technology

BS in Software Engineering + Minors in Data Science, Economics, Entrepreneurial Studies

May 2026

GPA: 3.98/4.0

Relevant classes: Software QA, Software Project Management, Software Requirements Engineering, Advanced Database Systems, Data Structures and Algorithms

iOS Development Bootcamp

Summer 2023 – Fall, 2024

Bootcamp taught by Dr. Angela Yu

Skills: Swift, SwiftUI, UIKit, MVC, Git, API Usage, Core Data, Firebase, In-App Purchases, ARKit, CoreML

EXPERIENCE

Applied Signal Technology

Salt Lake City, UT

Software Engineer Intern

June, 2024 – August, 2024

- Led development of a C++ application for industry-leading hardware and delivered critical features ahead of schedule
- Implemented several high-priority, cross-functional features requiring communication between first and third-party teams
- Wrote component tests in Python that were used for quality assurance of critical customer-facing builds
- Discussed and identified approaches to technical solutions of problems exposed through component tests

PROJECT WORK

iOS Poker Assistant App *Application for Client*

Fall 2022 – Spring 2024

- Designed a user interface in Figma, implemented it with UIKit using Auto Layout and Interface Builder
- Structured the app using the MVC design pattern and wrote it in Swift
- Utilized Firebase Realtime Database, AWS, and web scraping to allow user's backups and provide data on other players
- Implemented end-to-end error handling, In-App Purchases, and a tutorial using Lottie for instructional animations
- Worked directly with the client to define specifications and optimize usability through performing field-tests

Productivity-Focused Browser *Independent Project*

May 2024 – Present

- Developed an easy-to-use, productivity-focused browser for MacOS, written in Swift with SwiftUI
- Utilized file indexes to deliver a 300% speed improvement over a directory-crawler algorithm
- Leveraged both REST and GraphQL APIs to search apps and use services including GitHub, Unsplash, and Google Gemini

Swift Development *Independent Projects, Study*

Fall 2017 – Present

- Wrote multiple sample SwiftUI apps with the MVVM design pattern
- Learned MVC, UIKit, interface builder, web scraping, and local persistence with Codable protocol
- Developed interface elements like graphs, background effects, and toggleable floating UIs using SwiftUI
- Trained an ML model with CreateML and used it in an animal-identification app via CoreML

Freelance Job Database *Database Systems, CSSE 333*

Winter 2023

- Designed, documented, and iterated upon a database schema with a team of 3 across bi-weekly team meetings
- Used SQL to develop database sprocs and developed an accompanying custom API in Node.js
- Utilized HTML, SCSS, and JS to develop a frontend and backend that fetches and sends data with our custom API

Extracurriculars

Rose VEXU Robotics *Founder, President*

August, 2023 – Present

- Founded the team to give RHIT students diverse engineering opportunities in a competitive environment
- Planned and held both organizational and engineering-centered meetings

Coffee Club *Founding Member, Secretary*

January, 2024 – Present

- Secured sponsorship funding, managed communications, and organized meetings between members
- Practiced & studied enthusiast brewing techniques