

Vinhan Bui

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EDUCATION

Cornell University · College of Engineering

Ithaca, NY

Bachelor of Science in Information Science, Systems, and Technology

Aug. 2021 – Exp. 2025

- Relevant Coursework: OOP and Data Structures, Functional Programming, Intermediate Web Design and Programming, Intro to Backend Development, Intro to Computing Using Python, Discrete Structures, Linear Algebra

EXPERIENCE

Software Engineer Intern

May 2023 – Present

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New York, NY

- Implemented messaging features, matching algorithms to populate user feed, and other backend functionality for MVP launch
- Used NodeJS and Python to connect with Firebase SDKs and Google APIs to write Cloud Functions
- Conducted unit testing with Jest and Firebase Emulator to manage data in Firebase Realtime Database

iOS Engineer

Feb. 2023 – Present

Cornell AppDev

Ithaca, NY

- Developed iOS applications for the Cornell community with a team of designers and developers
- Implemented the UI using UIKit and SwiftUI frameworks and backend functionality with GraphQL and the Apollo Client framework
- Contributed to 20+ PR reviews and taught a 2-credit Intro to iOS Development course with over 100 students
- Increased the user base of Volume, an award-winning mobile app that aims to amplify student voices, by 1500% in a single semester

PROJECTS

Grabbit | *SwiftUI, NodeJS, Express, Firebase*

June. 2023 – July. 2023

- Published an iOS app with over 100 users that notifies Cornell students when a class section has open spots
- Followed MVVM design architecture using SwiftUI to implement the user interface
- Integrated a REST API using Express and Firebase Cloud Functions to fetch data from Cloud Firestore

SUPERSET | *SwiftUI*

Mar. 2023 – May 2023

- Implemented an iOS app using SwiftUI for weightlifters to plan their workout split and keep track of their progress
- Developed concepts and created low to high fidelity wireframes using Figma to lay out the user interface
- Interviewed members of the audience to learn about their journaling process to create a delightful user experience

Scribbly | *UIKit, NodeJS, Firebase*

Dec. 2022 – Feb. 2023

- Developed a full-stack iOS app aimed to make improving one's art skills a social and playful experience
- Implemented the UI with UIKit and stored user data with Firebase Realtime Database
- Integrated Firebase Cloud Functions using NodeJS to automate database changes and push notifications

Turbine Designs Website | *HTML, CSS, JavaScript*

Apr. 2022 – May 2022

- Collaborated with a small team of students to develop a website for Turbine Designs, a motorsport design service company in Ithaca, NY
- Developed the user interface using HTML/CSS and functionality with JavaScript
- Assisted client in deployment and initial launch for public use

TECHNICAL SKILLS

Languages: Swift, JavaScript, Python, Java, HTML/CSS, SQL, GraphQL, OCaml

Frameworks: UIKit, SwiftUI, React, Tailwind, NodeJS, Flask, Express, Apollo Client, Jest

Technologies: Firebase, Git, Google Cloud Platform, Docker, MongoDB

Tools: Xcode, VS Code, IntelliJ, Eclipse, Figma

INTERESTS

Teaching · Blogging · Vlogging · Weightlifting · Streaming · Travel · Basketball · Tennis