

# Vinhan Bui

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## EDUCATION

### Cornell University · College of Engineering

Ithaca, NY

*B.S. in Information Science, Systems, and Technology*

*Aug. 2021 – May 2025*

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

## EXPERIENCE

### iOS Engineer Lead

Feb. 2023 – Present

*Cornell AppDev*

*Ithaca, NY*

- Developed iOS applications for the Cornell community and managed a team of developers
- Implemented user interfaces with both UIKit and SwiftUI all integrated with backend functionality
- Contributed to 50+ 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, by 1500% in a single semester

### Software Engineer Intern

May 2023 – Aug 2023

*llounge*

*New York, NY*

- Implemented messaging features, matching algorithms to populate user feed, and other backend functionality
- 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

## PROJECTS

### AppDev Status Page | *MongoDB, Express, React, NodeJS, Tailwind, NextJS*

Oct. 2023

- Released a web app where our 10k+ users could report a bug and view the status of our products
- Incorporated the MERN stack with NextJS and TailwindCSS to develop the full-stack web application
- Integrated the status page with AppDev's website and notified subscribed users to status updates via email

### iOS Course Grader | *React, NodeJS, MaterialUI, Vite*

July 2023

- Deployed a web app that simplifies grading for staff members in Cornell's Intro to iOS course
- Utilized Figma components and auto-layout to design wireframe iterations following a grid system
- Implemented the user interface using Material UI v5 components

### Grabbit | *SwiftUI, NodeJS, Express, Firebase*

June 2023

- Published a 5-star rated iOS app with over 100 users that notifies Cornell students of open course seats
- 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

### Scribbly | *UIKit, NodeJS, Firebase*

Dec. 2022

- 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 backend data with Firebase Realtime Database
- Integrated Firebase Cloud Functions using NodeJS to automate database changes and push notifications

## TECHNICAL SKILLS

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

**Frameworks:** UIKit, SwiftUI, React, NodeJS, React Native, Flask, Express

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

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

## INTERESTS

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