Vincent Nguyen

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EDUCATION

University of Illinois at Urbana-Champaign Expected May 2024
Bachelor of Science in Electrical Engineering
Intended Minor in Computer Science

University of Minnesota-Twin Cities, Minneapolis, Minnesota
Postsecondary Enrollment Option | Non-degree seeking September 2020 - May 2021

University of Minnesota Talented Youth Mathematics Program (UMTYMP) September 2015 - May 2020

- An accelerated math program for final Calculus courses

Relevant Courses: iOS Mobile App Development, Data Structures and Algorithms, Computer Programming in Java, Discrete Mathematics

APP PROJECTS

FitPlant – *WatchKit, Core Data, Lottie Animations, HealthKit* September 2021 - Present

- Developed a **watchOS** fitness application that motivates its users with an interactive, virtual plant.
- Implemented **HealthKit** and **CoreData APIs** to track and store daily steps.

LoveTouch – *SwiftUI, WatchKit, HealthKit, Firebase* June 2021 – September 2021

- Created a **watchOS** application that sends vibrational tap messages between two users.
- Utilized a **NoSQL** database to pair two users together, push and pull tap messages, and store users' HealthKit heartbeat data.

Ghost Pilots – *UIKit, SpriteKit, Firebase, Google AdMobs* September 2020 – May 2021

- Collaborated with peers to design, build, and publish an **iOS** online multiplayer space shooter game to the Apple App Store.
- Leveraged **Firebase Database** to operate online games to send and store user in-game data.

ACTIVITIES

WaggleNet – *Mobile App Developer* September 2021 - Present

- Developing a mobile application for **iOS** and **Android** using **React Native** to keep beekeepers informed about their bee hive's status.
- Utilizing **Amazon Web Services** to store and read bee hive data such as humidity, temperature, and video.

Illini Solar Car – *Solar Array Project Researcher* September 2021 – Present

- Improving the solar car by researching methods to optimize solar array charging using gyroscopic sensors.

SKILLS

Languages: Swift (Intermediate), Python (Basic) , Java (Basic), JavaScript (Basic)

Technologies: Xcode, SwiftUI, UIKit, WatchKit, Amazon Web Services (AWS), Core Data, SpriteKit, HealthKit, Firebase, Lottie Animations, React Native, Git, Google AdMobs