Tommy Nhu Phat Truong

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Education

Rensselaer Polytechnic Institute	Troy, NY
Bachelor of Science in Computer Science	**Expected : May 2024**

Relevant Coursework

Data Structures, Introduction to Algorithms, Computer Organization, Operating Systems, Intro to Artificial Intelligence, Parallel Computing, Database Systems, Software Design and Documentation

Work Experience

Amazon Web Services — June 2023 - August 2023
Software Development Engineer Intern — Arlington, Virginia

- Built a automated migration tool to move over 3900 internal Amazon teams to AppConfig.
- Used AWS CloudFormation, Java and Ruby to generate AppConfig templates for each customer configuration.
- Led review sessions with senior engineers to validate design document and project deliverable.
- Resolved a critical bug in the customer's data package that led to build failures during deployment.

Peapod Digital Labs — January 2023 - May 2023
iOS Developer Co-op — New York

- Developed PDL's grocery brands mobile applications including Hannaford, Stop & Shop and Giant.
- Implemented a new ripeness selector on the product page by integrating a new GraphQL API into the codebase.
- Used Firebase Analytics to measure user actions, system events and errors for over 40 use cases.

FPT Software — June 2022 - August 2022
Software Development Engineer Intern — Hanoi, Vietnam

- Developed an iOS framework to detect and verify identification documents for FPT Cloud Vision.
- Integrated a NFC reader for the new national ID card, impacting over 100,000+ users in the first week.
- Verified if a document was fraudulent by sending the data on the card to the server through POST requests.
- Created a vehicle damage detection application to predict the repair costs, winning 1st place out of 17 in the company yearly hackathon.

Projects

Shuttle Tracker | *Swift, SwiftUI, MapKit* — June 2021 – Present

- Built a fully native iOS shuttle tracking application used by over 600 students.
- Used SwiftUI and MapKit to create embed maps directly into user's views and added annotations and overlays.
- Implemented the information page, additional onboarding prompts and improved orientation support. Added haptic feedback on bus selection and local notifications to remind users to press the "Leave Bus" button.
- Incentivized users to share location by calling the milestones API and displaying the amount of users contributing.
- **Fall 23**: Currently building the Live Activity for lock screen and Widgets with WidgetKit and App Intents.

Uni Friends | *Swift, AVFoundation, Firebase* — April 2021 – June 2021

- Developed and deployed an iOS application that integrates a music player with a built in timer to help students manage studying time.
- Utilized Google Firebase Storage to store songs and stream it on the device.

Technical Skills

Languages: Python, Swift, HTML, CSS, LaTeX
Frameworks: React, Node.js, REST API, Firebase, Tailwind, SwiftUI, UIKit
Developer Tools: AWS, Cloudformation, S3 Buckets, AppConfig, Git, Agile