

Tommy Nhu Phat Truong

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Education

Rensselaer Polytechnic Institute
Bachelor of Science in Computer Science

Troy, NY
Expected : May 2024

Relevant Coursework

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

Work Experience

Amazon Web Services - AppConfig
Software Development Engineer Intern

June 2023 - August 2023
Arlington, Virginia

- Built a automated migration tool to move over 3900 internal AWS teams to AppConfig.
- Used AWS CloudFormation, Java and Ruby to generate AppConfig templates for each 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
iOS Developer Co-op

January 2023 - May 2023
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
Software Development Engineer Intern

Summer 2022
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.

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, TailwindCSS, SwiftUI, UIKit

Developer Tools: Visual Studio Code, Xcode, AWS, Cloudformation, S3 Buckets, AppConfig, Git, Agile

Leadership

RPI Chess Club: Organised weekly over the board meetings and online tournaments.