Linh TT Tran

267-995-1932 | ltran1@brynmawr.edu | in: Linh Tran | : linhtran2407 | linhtran2407.github.io

Education

Bryn Mawr College Expected graduate May 2023

B.A. in Computer Science, GPA: 3.9 *PA, USA*

Relevant Coursework: Operating Systems, Analysis of Algorithm, System Programming, Computer Organization, OOP in Java, Software Engineer, Android Development, Cybersecurity, Data Structures, AI, Linear Algebra

Technical Skills

Languages: Java, JavaScript, Python, C

Frameworks/Other technologies: Angular, TypeScript, Node.js, Express.js, Java Spring Boot, Google Protocol Buffers, HTML, CSS, Mongoose, React Native, Back4App

Developer Tools: Docker, PuTTY, Atlassian, IntelliJ, Eclipse, Android Studio, VSCode, Postman, PyCharm, GitHub

Experience

Software Engineering Intern June 2022 – Aug. 2022

Morgan Stanley *New York City, NY*

- Implemented new endpoints in the legacy code, using **Java Spring Boot**, in **4** middle-tier services to create a complete flow for receiving users' requests, querying data from database & sending data back to UI
- Created a well-formatted table with **HTML/CSS5**, providing critical data queried using new endpoints for **17,600+** users of the second most profitable business segment of the company
- Generated a table view, using **Angular & TypeScript**, as an alternative to the current linear view of data for better readability & user-friendliness; created a toggle button switching between 2 views
- Gained **full-stack** experience, worked through & debugged multiple different code bases together, communicated effectively with **7** other developers globally, presented project to **100+** people in the team

Software Engineering Intern June 2021 – Aug. 2021

Di Chung Joint Stock Company *Hanoi, VN*

- Detected a time-consuming issue, proposed a solution, then built, released a mobile **React Native** app as a solution, which automatically updates revenue report, efficiently saves Sales department **1 hour/day**
- Developed a full-stack web application with **5** colleagues, using **JavaScript, Node.js, Express.js, Socket.IO, MongoDB, and HTML/CSS**, which allows users to create an account, log-in/log-out, pair with each other via unique ID, count together-days, write diaries, and send real-time messages

Teaching Assistant Feb. 2021 – May 2022

"Data Structure" & "Introduction to Computer Science" courses *Bryn Mawr College*

- Held **10** weekly sessions, helped around **5** peers score up to **60** percent higher and better understand the lectures
- Assisted dedicatedly students with **7** lab assignments and **2** exams about data structures

Android University Feb. 2021 – May 2021

CodePath.org *Remote*

- Led a team of 3 to build Fake Caller app, which allows users to make fake calls to avoid dangerous situation, schedule fake incoming calls, and make a real call to 911 by utilizing **Back4App** effectively to manage database
- Acquired competent **Android app development** skill by building **5 Android apps** (including back-end & front-end), using **Java** and **Android Studio**
- Developed Instagram Clone app using Parse authentication with 4 main features: account creation, sign-up/sign-in, photo-taking, uploading new posts; Tweet app (used Twitter API) allowed logging-in to real Twitter accounts via OAuth login, composing new tweets...; Flixter app that allows browsing movies from the Movie Database API

Projects

MyOperatingSystem | C, Docker Aug. 2022 – present

- Program a feature-rich OS simulator with a preemptive priority scheduler, file system mount, pipes, redirection, foreground / background processes, job control, and asynchronous signal handling.
- Lead a team of 4; distribute work load evenly and ensure integrated code to function correctly

Path-finding Visualizer | JavaScript, Express.js, HTML/CSS June 2021 – Aug. 2021

- Built a tool that visualizes the path-finding processes of different algorithms, generates animation of the shortest path found, and allows creating blocking walls between start and target nodes