THAO TRINH

Philadelphia, PA thao.da.trinh@drexel.edu

https://www.linkedin.com/in/jtrinh21
https://www.github.com/jtrinh21
https://thaotrinh.herokuapp.com

Education

Drexel University, Philadelphia, PA **Expected Graduation: June 2023**
Bachelor of Science in Computer Science, GPA: 4.0

Relevant Coursework

Computer Science I with Java and Python; Computer Science II with Java and C++; Data structures and Algorithms; JavaScript I; Database Management System; Computer Organization; Discrete Mathematics I; Linear Algebra

Skills

Programming: Java, JavaScript, HTML, CSS, Python, C++
Others: Angular, Firebase, Git, MySQL, JDBC, Spring Boot, Bootstrap, Visual Studio Code, NetBeans, IntelliJ

Projects

OVERCDS **https://overcds.herokuapp.com**
An online shopping store for buying vinyl records and provides donate & request services to reduce unused records
Technologies: Angular, Spring Boot, TypeScript, HTML, CSS, Firebase, Material Angular, Bootstrap
• Leveraged Angular framework to create a single-page application and deliver a fast user experience
• Utilized JavaMail API provided by Spring Boot to send up to 1000 confirmation email to contributors and donees
• Recaptured potentials customers with abandoned shopping cart by utilizing firebase to save the cart and Spring boot to send remainder email

HOTEL BOOKING SYSTEM **https://github.com/jtrinh21/HotelBookingSystem**
A distributed hotel booking system that can support up to 1000 guests and support multiple hotels
Technologies: Java, JDBC, MySQL, phpMyAdmin, FreeTTS API
• Managed usernames and passwords using phpMyAdmin tool
• Extracted data from a CSV file to a MySQL database by adopting Object-Oriented Design (OOP)
• Programmed an algorithm to prevent double bookings

FACEBULOUS **https://github.com/jtrinh21/Facebulous**
A desktop application to detect and recognize different human faces
Technologies: Java, JavaCV, OpenCV, phpMyAdmin, JFreeChart API, FreeTTS API
• Optimized machine learning algorithm by using Java multi-threading to capture up to 500 images for each subject
• Developed a computer vision algorithm using JavaCV and OpenCV libraries to detect human faces
• Implemented a real-time line chart to indicate the difference between the recognized face from the original model

Map the USA **https://github.com/jtrinh21/MapTheUSA**
A Java desktop client application creates a graph of cities in the United States and uses Dijkstra's Algorithm to find the shortest path from one city to another within 1 second

Hackathons

COVID TRACKER **https://covid19-in-us.herokuapp.com**
AtlasHacks
Created a COVID-19 tracker page, displaying a heat and data of COVID-19 cases using Angular framework
Embedded an interactive map to deliver better user experience using Google GeoChart

Honors & Awards

AJ Drexel Scholarship – Drexel University May 2020
Drexel Grant – Drexel University May 2020
Phi Theta Kappa Scholarship – Phi Theta Kappa May 2020