THAO TRINH

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

Software Engineer Projects

ANGULAR JIRA CLONE **https://angular-jira-clone.herokuapp.com**

A full-stack single-page clone of Jira with Angular for the frontend and Spring for the backend
Technologies: Angular, Spring Boot, Java, Spring MVC, Spring REST, Hibernate, MySQL, JDBC, TypeScript, HTML5, CSS3, Firebase, Material Angular, Bootstrap, Ng Zorro, Heroku, Jira, Node JS, Express, Git
• Designed the schemas, populated the database and built a RESTFUL Web Service using Spring REST to communicate with the front-end.
• Utilized Angular CDK drag and drop to smoothly transfer a task from one stage to another.
• Developed a responsive comment system for each issue.

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, Java, HTML5, CSS3, Firebase, Material Angular, Bootstrap, Heroku, Node JS, Express
• 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, Git
• Verified usernames and passwords using phpMyAdmin administration 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.

COVID TRACKER | AtlasHacks

Created a COVID-19 tracker page and an interactive map, displaying a heat and data of COVID-19 cases using Angular framework and Google GeoChart

Skills

Programming: Java, JavaScript, TypeScript, HTML, CSS, Python, C++

Others: Angular, Spring Boot, Spring, Hibernate, Spring MVC, Restful API, JDBC, Firebase, Git, SQL, Bootstrap

Tools: Visual Studio Code, NetBeans, IntelliJ, Eclipse

Education

Drexel University, Philadelphia, PA
Bachelor of Science in Computer Science

Relevant Courses

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

Certifications

Learning GitHub
Learning Java Threads

Honors & Awards

AJ Drexel Scholarship
Drexel Grant
Phi Theta Kappa Scholarship

Activities & Societies

Member of:

Women in Computing
Drexel Algorithms & Data Structures
Society of Women Engineers
Drexel AI