

AMY TRUONG

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EXPERIENCE

Associate Software Engineer | *Spring Boot, Angular, MongoDB, Docker, RabbitMQ* Jan. 2024 – Present
UKG Atlanta, GA

Software Engineering Intern | *Spring Boot, Angular, MongoDB, Docker, RabbitMQ* May 2023 – Aug. 2023
UKG Atlanta, GA

- Implemented with team a feature allowing users to upload an Excel file to import tax setup data into a UKG Launch project
- Developed API endpoint for retrieving a list of imported tax setup files and created MongoDB collection for storing file data
- Added tax setup import metrics to Launch usage report by handling intercepted events and recording data in service database
- Developed maintenance API endpoint for accessing recent Launch customer account creation times for business data analysis
- Added headers to intercepted HTTP requests to simplify checking for development environment or Launch beta project status

Software Engineering Intern | *Kotlin, JavaScript, Dropwizard, Tenacity, Jersey* May 2022 – Aug. 2022
PayPal Remote

- Migrated Zettle Payment Link service to call PayPal Money Request API for generating order payment links if beta flag is on
- Engineered API client to communicate with PayPal services from an external Zettle service using JWT authentication
- Updated SQL database migrations manually to change schema and wrote unit/integration tests verifying the migration changes
- Maintained PayPal Here web client by updating packages to fix security vulnerabilities and tested in staging environment

EDUCATION

Georgia Institute of Technology Atlanta, GA
Bachelor of Science in Computer Science Dec. 2023

GPA: 3.91/4.00

Related Coursework: Data Structures & Algorithms, Object-Oriented Programming, Databases, Analysis of Algorithms, Computer Organization, Operating Systems, Computer Graphics, Info Security

SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS, SQL, Python, Kotlin, C++, C

Frameworks/Libraries: Spring Boot, React, Angular, Next.js, Qt, Dropwizard

Development Tools: Docker, MongoDB, AWS, JUnit, RabbitMQ

PROJECTS

ReplyAI | *JavaScript, HTML, CSS* Jul. 2023

- Built Microsoft Outlook add-in to generate email replies using OpenAI API based on email content and user instructions
- Utilized Microsoft Office API to retrieve email subject/body and compose response with injected AI-generated reply
- Engineered OpenAI prompt and tailored request parameters to optimize relevance and minimize hallucination in response
- Designed UI prototype in Figma and implemented using Microsoft Fluent UI toolkit for consistency with Outlook interface

People Counter | *Kotlin, AWS Amplify, Amazon Rekognition, Amazon Cognito* Jan. 2023 – May 2023

- Engineered Android application for counting people within makerspaces to determine utilization based on time and area
- Utilized AWS Amplify to add Rekognition and Cognito services for computer vision object detection and AWS authentication
- Leveraged CameraX and MPAndroidChart libraries to capture camera images and display counted people data in line chart

Spotify Compatibility | *React, Next.js, PostgreSQL, Prisma, Tailwind CSS* Dec. 2021

- Developed web application where users can compare music taste with others by linking Spotify account and sharing invites
- Built RESTful API using Next.js and Prisma ORM to access users, invites, and results within designed PostgreSQL database
- Created UI prototype in Figma and implemented design using Tailwind CSS with focus on responsiveness and user experience

Comic Translator | *C++, Qt* Aug. 2021 - Oct. 2021

- Built multi-platform desktop application for machine translating comic images from Japanese to English using DeepL API
- Utilized Tesseract OCR for Japanese character recognition and GraphicsMagick for image processing to improve recognition
- Implemented text and image processing options for improved user experience and debugged memory leaks using Valgrind