THOMAS SHIH

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EXPERIENCE

Amazon *May 2021 - Aug 2021*
Software Developer Intern

- Developed a prototype web application to summarize seller tax data types, improving customer accessibility and resulting in a more user-friendly experience
- Implemented CRUD operations using DynamoDB Java SDK to persist and retrieve tax summary data, integrating into existing tax summary codebase
- Routed frontend through existing SellerCentral authentication and sign in service for user convenience

EDUCATION

McGill University *September 2017 - May 2022*
B.A. in Software Engineering

PROJECTS

Workout Tracker API

- Designed a backend API using Node.js, Express, and MongoDB with JWT authentication for user management
- Developed RESTful APIs to handle workout plans, exercises, and user data, utilizing Mongoose for schema modeling
- Ensured reliability with comprehensive testing using Jest and Supertest, leveraging an in-memory database for test isolation

Personal Finance Application

- Developed a financial dashboard application using React.js to provide users with insights into their account balances, transactions, and spending habits
- Created interactive charts to display account balances and transaction categories
- Implemented data fetching and processing functionalities using React hooks, enabling real-time updates of financial data and ensuring a seamless user experience

Android Application of Board Game

- Programmed the board game *Legends of Andor* using Android Studio
- Utilized Android Studio to design the frontend, implementing the game interface and interactions
- Integrated server and client using SpringBoot framework for multiplayer and communication capabilities

SKILLS

Programming Languages Python, Java, JavaScript, Typescript, C, C++
Frameworks & Databases Django, React.js, Gatsby, Android Studio, PostgreSQL

COURSEWORK

COMP 206 - Introduction to Software Systems
COMP 250 - Algorithms and Data Structures
COMP 302 - Programming Languages and Paradigms
COMP 303 - Software Design
COMP 551 - Applied Machine Learning