THOMAS MINCHEW

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EDUCATION

University of Texas at Dallas - Bachelors of Science, Computer Science, GPA 3.81   **2020 - 2023**

TECHNICAL SKILLS

Front End | Angular, Typescript, TailwindCSS, three.js,
Back End | Java, Python, Couchbase, Teradata
Testing/Deployment | Gradle, Maven, JUnit, AKS
Developer Tools | Git, TDD, Figma, Azure

DEVELOPER EXPERIENCE

Associate Full-Stack Developer | American Airlines   **Feb 2024 - Present**

Enterprise web app development using Angular and Spring   Java | Angular | Couchbase

- Adapted REST APIs to use GraphQL to reduce bandwidth on calls to endpoints.
- Identified database index refactors to improve query performance by ~30ms.
- Resolved over 30 unique CVEs across 5 different codebases contributing to a 53.5% MOI reduction YoY.

Software Development Engineer Intern | American Airlines   **May 2023 - Dec 2023**

Cloud data engineering using Azure services   SQL | ADF | ADB

- Modernized 20% of customer loyalt and marketing ETL jobs to PySpark from IBM Datastage
- Demonstrated a strong capacity to learn new technologies like Azure Databricks, Teradata, and Azure Data Factory.
- Strengthened my DevOps skills by leading the development, orchestration, and deployment of pipelines in Azure Data Factory.

Back-End Software Engineer | Video Game Squad Link (VGSL)   **Jan 2022 - May 2022**

Backend design for API calls from social media application to database   Java | REST | MySQL | JDBC

- Implemented REST APIs for a React application to communicate with MySQL Database of user accounts.
- Directed modeling of data and API endpoints to allow for seamless frontend integration to backend.
- Modeled a social media platform relational database schema.

Front-End Engineer | Library Database System   **Jan 2023 - March 2023**

Online library inventory web application   JavaScript | React | RDS | HTML | CSS

- Facilitated discussions with front-end team to assess client expectations and UI mock ups.
- Mentored peer engineers on front-end development and best practices.
- Developed a full-stack library application.

RELEVANT COURSE WORK

Data Structures and Algorithms, UNIX Programming, Computer Architecture, Intro to Machine Learning, Database Management Systems

AFFILIATIONS AND MEMBERSHIPS

Nebula Labs | Member   **2023 - 2024**
ACM | Member   **2020 - 2024**
IEEE | Member   **2020 - 2024**