Zhekai Dong

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EDUCATION

Texas A&M University, College Station, Texas   **Aug 2021 – Dec 2023**
Master of Computer Science (CS) - GPA 3.7/4.0

The University of Tennessee, Knoxville, Tennessee   **Aug 2016 – Dec 2020**
Bachelor of Science in Computer Science (CS) - GPA 3.34/4.0

EXPERIENCE

Software Programmer | Rich Logistics, Contractor   **May 2022 - May 2023**
- Applied **Agile Development** on Jira and **MVC** pattern to devise web application for team management and project tracking
- Utilized **NextAuth, Auth0, Azure AD** to let user creating an account in Auth0 or **SSO** log in with company email
- Implemented with **React, NodeJS, Express** and **Jest** to execute unit test on the APIs
- Presented **SQL Server** as database language with ORM of **Prisma**
- Utilized **Docker** for containerization, streamlining the deployment process and enhancing scalability
- Developed with **NextJs** to increase performance and maintainability

IT Support | Blue Ocean Inc, Full-Time   **Jan - May 2021**
- Supported a team of 10 in fulfilling the key performance indicators set in advance by professionally resolving system, hardware, and software issues
- Applied algorithm in scoring system to reduce the processing time by **30%** and to reduce the error rate by **15%**
- Analyzed monthly inventory demand based on historical data and seasonality to plan resource allocation and to adjust workflow to ensure on-time delivery

PROJECTS

Ping! | Group Project   **Jan - Apr 2022**
- Collaborated with a team of 5 to create a mobile app by utilizing **MVC** developing pattern
- Applied **React Native** framework with **Firebase** platform for user authentication and **Firestore** database services
- Accomplished project with **Expo** platform to run and test app locally on ios, android, and web platforms

MEAN Stack | Group Project   **May - July 2023**
- Collaborated with a team of 2 to build a blog management web app with **MongoDB, Express, Angular, NodeJS**
- Implemented user login with **Firebase**
- Interacted with **Mongoose** ORM to generate data models
- Employed **Mocha** for testing RESTful APIs

Web Applications | Personal Project
- Established a blog website build with **Angular, C#, ASP.NET, Entity Framework, SQL Server**
- Built a movie reviewing website with **React, Java, Spring, MongoDB**
- Developed an Instagram like social website with **Ruby on Rails, DeviseGem, FileBond, Active Record, SQLite**
- Implemented a photography website with **PHP, MySQL**

SKILLS

Languages: C/C++, HTML, CSS, JavaScript/TypeScript, Java, Python, C#, PHP, Ruby, MySQL

Libraries/Frameworks: Git, Vim, Linux, React/React Native, Angular, NodeJS, Express, Spring, Docker, NextJS, ASP.NET, Rails, Bootstrap

Certification: AWS Certified Cloud Practitioner