Zhekai Dong

✉ zdong1@tamu.edu • ☎ 865-686-2080 • in linkedin.com/in/zhekai-dong-514111236/

○ github.com/zdong2080 • % zhekaidong.com

EDUCATION

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

The University of Tennessee, Knoxville, Tennessee   **Aug 2016 – Dec 2020**
Bachelor of Science in Computer Science (CS)

EXPERIENCE

Full-Stack Developer   **May 2022 - May 2023**
Rich Logistics, Little Rock, AR
- Applied **Agile** MVP development, **SOLID** system design principles, and **MVC** pattern to devise web application for team management and project tracking
- Utilized **OAuth and Azure AD** to let user creating an account or **SSO** log in with company email
- Implemented with **React** and **NextJs** to write over **1** million lines of code in front end fulfilling UI design
- Developed with **NodeJs** and **Jest** to write code above **100** thousand lines in back end and built around **100** APIs
- Presented SQL Server as database language with ORM of **Prisma**
- Utilized **Docker** for containerization, streamlining the deployment process and enhancing scalability

IT Support   **Jan - May 2021**
Blue Ocean Inc., Knoxville, TN
- Led 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 friend list modification
- Accomplished project with **Expo** platform to run and test app locally on ios, android, and web platforms

MEAN Stack | Personal Project   **Jun - Dec 2021**
- 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

Operating System (C++)   **Aug 2019 - May 2020**
- Created a **csh** command line interpreter to execute shell commands
- Implemented a **cpu scheduler** to process the system request on processid, arrival time, priority, cpu burst time
- Implemented **tar** for bundling up files and directories into a single file and recreating the files and directories
- Developed fake **make, malloc, buffer** to achieve file system manipulation

SKILLS

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

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

Certification: AWS Certified Cloud Practitioner (Aug 2023)