Kehan Meng

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

EDUCATION

Texas A&M University - College Station, TX   Aug 2021 - May 2023
Master of Science, Computer Science; GPA: 4.0
South Dakota State University - Brookings, SD   Aug 2017 - May 2021
Bachelor of Science, Computer Science; GPA: 3.7

EXPERIENCE

Software Engineer Intern   May 2022 - Aug 2022
Q2 Software, Inc - Remote
- Built authenticated razor pages in HTML & C#. Handled APIs utilizing ASP.NET Core MVC
- Applied DB migration for Postgres & SQLite by Entity Framework and performed CRUD operations
- Configured project and database in a Docker container, managed CDN using AWS S3 buckets
- Executed CI/CD pipelines in GitLab and practiced Agile project management in Jira & Bitbucket

Software Engineer Intern   May 2019 - Jul 2020
Daktronics, Inc - Brookings, SD
- Developed modular automation system in ASP.NET Core and reduced overall testing time by 15%
- Applied the concept of OOP in C# and created bash scripts for property configuration in Linux
- Performed unit testing, integration testing, and TDD for design verification automation system
- Adapted Agile SDLC methodology utilizing scrum, Kanban, and Azure pipelines on Azure DevOps

Research Assistant   Sep 2018 - Dec 2018
Bioinformatics and Mathematical Biosciences Lab, South Dakota State University
- Implemented Python scripts to manage metadata from raw DNA & RNA segments for bioresearch
- Analyzed computational bioinformatics data with Anaconda packages operating HPC in Linux

PROJECTS

Image Classification API   Sep 2021 - Dec 2021
- Accomplished a Flask-based Python web app to classify images via image URL with credentials
- Configured app with MongoDB, invoked TensorFlow for ML process that results in 80% accuracy
- Ran app in Docker, tested REST API by Postman, and deployed endpoint to AWS EC2 Instance

Ear Training Master   Jan 2022 - May 2022
- Designed an algorithm with a comment mechanism that increased 25% test accuracy by statistics
- Generated components in TypeScript using React material UI, managed states with React-Redux
- Constructed backend server in JavaScript by Node.js & Express interacting with Firebase database

Currency Exchange System   Aug 2021 - Jan 2022
- Built microservices for a distributed system utilizing Java Spring Boot & Spring Cloud in Maven
- Implemented client-side load balancing with Ribbon and Eureka, set up API gateway using Zuul
- Created containers for microservices with Docker, managed by Kubernetes on Google Cloud GKE

Blog | [Website](#)   May 2021 - Present
- Implemented a blog powered by Hugo, supported RSS, search, comments, and multi-language
- Hosted code on GitHub, deployed web on Netlify, and leveraged Google Analytics to track users

SKILLS

Programming Language: Java, C#, Python, JavaScript, C/C++, HTML, CSS
Framework/Library: ASP.NET Core, Flask, React, Express, Spring Boot, Spring Cloud, Unity, Flutter
Database: Postgres, SQLite, MongoDB, Microsoft SQL Server, MYSQL, Firebase DB
Other: AWS, Azure DevOps, Jira, Bitbucket, Docker, Kubernetes, Postman, GitLab, Maven, VS Code