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

WORK EXPERIENCE

Q2 Software, Inc - *Software Engineer Intern*   May 2022 - Aug 2022
- Built authenticated razor pages in HTML & Bootstrap, handled APIs utilizing ASP.NET Core MVC
- Applied DB migration for Postgres & SQLite by Entity Framework performing CRUD operations
- Configured project and database in a Docker container, managed CDN using AWS S3 bucket
- Executed CI/CD pipelines in GitLab and practiced Agile project management in Jira & Bitbucket
- Deployed project to production in **3 months**, benefiting **77 fintech companies** and over **1000 users**

Daktronics, Inc - *Software Engineer Intern*   May 2019 - Jul 2020
- 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 wrote test cases using xUnit for automation system
- Adapted Agile SDLC methodology utilizing scrum, Kanban, and Azure pipelines on Azure DevOps

Bioinformatics and Mathematical Biosciences Lab - *Research Assistant*   Sep 2018 - Dec 2018
- Built Python scripts to manage **10 TB** metadata from raw DNA & RNA segments for bioresearch
- Analyzed computational bioinformatics data with Anaconda packages operating HPC in Linux

PERSONAL PROJECTS

Ear Training Master   Jan 2022 - May 2022
- Designed an algorithm with a comment mechanism that increased **25%** test accuracy through stats
- Generated components in JavaScript using React material UI, managed states with React-Redux
- Constructed backend server & APIs by Node.js & Express interacting with Firebase database
- Led a team of four, practiced code development and version control utilizing Git on GitHub

Image Classifier   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

Currency Exchange System   Aug 2021 - Jan 2022
- Built microservices for a distributed system utilizing Java Spring Boot & Spring Cloud in Maven
- Developed REST API in Java, and designed exception handling, validation for REST web services
- Created containers for microservices with Docker, managed by Kubernetes on Google Cloud GKE

Blog | [Website](#)   May 2021 - Present
- Implemented a static blog powered by Hugo, supported RSS, search, comments, and multi-language
- Improved front-end design with JavaScript, optimized website for search engine optimization (SEO)
- 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, Bootstrap, Unity
Database: Postgres, SQLite, MongoDB, MongoDB Atlas, Microsoft SQL Server, MYSQL, Firebase DB
Other: AWS, Azure DevOps, Jira, Bitbucket, Docker, Kubernetes, Postman, GitLab, Maven, VS Code