

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
<i>Q2 Software, Inc - Remote</i>	

- Built authenticated razor pages in HTML & Bootstrap, 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 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 Q2 internal users

Software Engineer Intern	May 2019 - Jul 2020
<i>Daktronics, Inc - Brookings, SD</i>	

- 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

Research Assistant	Sep 2018 - Dec 2018
<i>Bioinformatics and Mathematical Biosciences Lab, South Dakota State University</i>	

- 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 Classifier	Sep 2021 - Dec 2021
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- 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
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- Designed an algorithm with a comment mechanism that increased 25% test accuracy by statistics
- 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

Currency Exchange System	Aug 2021 - Jan 2022
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- Built microservices for a distributed system utilizing Java Spring Boot & Spring Cloud in Maven
- Created containers for microservices with Docker, managed by Kubernetes on Google Cloud GKE

Blog Website	May 2021 - Present
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- 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