

Kehan Meng

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

EDUCATION

Texas A&M University - College Station, TX Aug 2021 - Dec 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

SKILLS

Languages: Java, C#, Python, C++, JavaScript, HTML, CSS, SQL, Markdown
Databases: Postgres, SQLite, MongoDB Atlas, MySQL, Firebase DB, DB2, DBeaver
Frameworks/Libraries: ASP.NET Core, Selenium, React, Express, Hugo, Bootstrap, TestNG, Gradle, EF
Other Tools: AWS, Azure DevOps, Jira, Bitbucket, Docker, K8s, Postman, GitLab, Maven, IntelliJ, Jenkins

WORK EXPERIENCE

Physicians Mutual Insurance - *Software Automation Intern* May 2023 - Aug 2023

- Created Selenium project by Gradle, practiced Java OOP and multi-threaded programming in IntelliJ
- Enhanced unit tests for REST APIs and web elements, used TestNG for automated integration tests
- Achieved data validation by running SQL queries and verified leads creation and transaction in DB2
- Collaborated with team members using Git & GitLab, exercised Agile project management on Rally
- Identified defects on sales and service platform, increased test coverage rate by **21%** for team sales

Q2 Software, Inc - *Software Engineer Intern* May 2022 - Aug 2022

- Built authenticated pages in HTML & Bootstrap, handled async APIs utilizing ASP.NET Core MVC
- Applied **DB migration** for Postgres & SQLite by Entity Framework, performing CRUD operations
- Configured C# 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 [Q2 marketplace](#), benefiting sales team and over **1000** users & **77** companies

Daktronics, Inc - *Software Engineer Intern* May 2019 - Jul 2020

- Developed modular automation system in ASP.NET Core and reduced overall testing time by **15%**
- Implemented server-side C# scripts using LINQ to SQL for LED circuit board test verifications
- Applied the concept of **OOP** in C# and built bash scripts for property configuration in Linux server
- Adapted Agile SDLC methodology utilizing scrum, Kanban, and Azure pipelines on Azure DevOps

Bioinformatics and Mathematical Biosciences Lab - *Research Assistant* Sep 2018 - Dec 2018

- Created 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 App Jan 2022 - May 2022

- Designed an iterative algorithm that increased 25% in ear training test accuracy through statistics
- Generated frontend web components in JavaScript using React, managed states with React-Redux
- Constructed backend Express server interacting with Firebase DB, tested REST APIs by Postman

DevOps Project Feb 2023 - May 2023

- Configured a CI/CD pipeline by integrating Jenkins with GitHub, Apache Tomcat server, and Maven
- Set up Docker environment and Kubernetes on AWS (EKS), combining K8s with Ansible playbook
- Implemented jobs to build Java code on Ansible and deployed application on a Kubernetes cluster

Blog | [Website](#) May 2021 - Present

- Built a static blog powered by Hugo, improved design by JavaScript, optimized website for SEO
- Developed a CI/CD pipeline with GitHub & Netlify and automated build process utilizing Python