

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	

WORK EXPERIENCE

Physicians Mutual Insurance - <i>Software Automation Intern</i>	May 2023 - Aug 2023
<ul style="list-style-type: none">Created Selenium project by Gradle, practiced Java OOP and multi-threaded programming in IntelliJEnhanced unit tests for REST APIs and web elements, used TestNG for automated integration testsAchieved data validation by running SQL queries and verified leads creation and transaction in DB2Collaborated with team members using Git & GitLab, exercised Agile project management on RallyIdentified defects on sales and service platform, increased test coverage rate by 21% for team sales	

Q2 Software, Inc - <i>Software Engineer Intern</i>	May 2022 - Aug 2022
<ul style="list-style-type: none">Built authenticated pages in HTML & Bootstrap, handled async APIs utilizing ASP.NET Core MVCApplied DB migration for Postgres & SQLite by Entity Framework, performing CRUD operationsConfigured C# project and database in a Docker container, managed CDN using AWS S3 bucketExecuted CI/CD pipelines in GitLab and practiced Agile project management in Jira & BitbucketDeployed project to Q2 marketplace, benefiting sales team and over 1000 users & 77 companies	

Daktronics, Inc - <i>Software Engineer Intern</i>	May 2019 - Jul 2020
<ul style="list-style-type: none">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 verificationsApplied the concept of OOP in C# and built bash scripts for property configuration in Linux serverAdapted Agile SDLC methodology utilizing scrum, Kanban, and Azure pipelines on Azure DevOps	

Bioinformatics and Mathematical Biosciences Lab - <i>Research Assistant</i>	Sep 2018 - Dec 2018
<ul style="list-style-type: none">Created Python scripts to manage 10 TB metadata from raw DNA & RNA segments for bioresearchAnalyzed computational bioinformatics data with Anaconda packages operating HPC in Linux	

PERSONAL PROJECTS

Ear Training App	Jan 2022 - May 2022
<ul style="list-style-type: none">Designed an iterative algorithm that increased 25% in ear training test accuracy through statisticsGenerated frontend web components in JavaScript using React, managed states with React-ReduxConstructed backend Express server interacting with Firebase DB, tested REST APIs by Postman	

DevOps Project	Feb 2023 - May 2023
<ul style="list-style-type: none">Configured a CI/CD pipeline by integrating Jenkins with GitHub, Apache Tomcat server, and MavenSet up Docker environment and Kubernetes on AWS (EKS), combining K8s with Ansible playbookImplemented jobs to build Java code on Ansible and deployed application on a Kubernetes cluster	

Blog Website	May 2021 - Present
<ul style="list-style-type: none">Built a static blog powered by Hugo, improved design by JavaScript, optimized website for SEODeveloped a CI/CD pipeline with GitHub & Netlify and automated build process utilizing Python	

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