

# Kehan Meng

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## EDUCATION

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

## WORK EXPERIENCE

<b>Physicians Mutual, Inc</b> - <i>Software Automation Intern</i>	May 2023 - Aug 2023
<ul style="list-style-type: none"><li>Created Selenium project by Gradle, practiced Java OOP and multi-threaded programming in IntelliJ</li><li>Enhanced unit tests for APIs and web elements, utilized TestNG for automated integration testing</li><li>Achieved data validation by running SQL queries and profited sales team by identifying SSP defects</li><li>Collaborated with team members using Git &amp; GitLab, exercised Agile project management on Rally</li></ul>	
<b>Q2 Software, Inc</b> - <i>Software Engineer Intern</i>	May 2022 - Aug 2022
<ul style="list-style-type: none"><li>Built authenticated pages in HTML &amp; Bootstrap, handled async APIs utilizing ASP.NET Core MVC</li><li>Applied DB migration for Postgres by Entity Framework, performed CRUD operations by LINQ</li><li>Configured C# project and database in a Docker container, managed CDN using AWS S3 bucket</li><li>Executed CI/CD pipelines in GitLab and practiced Agile project management in Jira &amp; Bitbucket</li><li>Deployed project to <a href="#">Q2 marketplace</a>, benefiting Q2 sales team and over 1000 users &amp; 77 companies</li></ul>	
<b>Daktronics, Inc</b> - <i>Software Engineer Intern</i>	May 2019 - Jul 2020
<ul style="list-style-type: none"><li>Developed modular automation system in ASP.NET Core and reduced overall testing time by 15%</li><li>Applied the concept of OOP in C# and created bash scripts for property configuration in Linux</li><li>Adapted Agile SDLC methodology utilizing scrum, Kanban, and Azure pipelines on Azure DevOps</li></ul>	
<b>Bioinformatics and Mathematical Biosciences Lab</b> - <i>Research Assistant</i>	Sep 2018 - Dec 2018
<ul style="list-style-type: none"><li>Built Python scripts to manage 10 TB metadata from raw DNA &amp; RNA segments for bioresearch</li><li>Analyzed computational bioinformatics data with Anaconda packages operating HPC in Linux</li></ul>	

## PERSONAL PROJECTS

<b>Ear Training App</b>	Jan 2022 - May 2022
<ul style="list-style-type: none"><li>Designed an iterative algorithm that increased 25% in ear training test accuracy through statistics</li><li>Generated frontend components in JavaScript using React, managed states with React-Redux</li><li>Constructed backend server &amp; REST APIs by Node.js &amp; Express interacting with Firebase database</li></ul>	
<b>DevOps Project</b>	Feb 2023 – May 2023
<ul style="list-style-type: none"><li>Configured a CI/CD pipeline by integrating Jenkins with GitHub, Apache Tomcat server, and Maven</li><li>Set up docker environment and Kubernetes on AWS (EKS), combining K8s with Ansible playbook</li><li>Created CI/CD job to build Java code on Ansible and deployed application on a Kubernetes cluster</li></ul>	
<b>Image classifier</b>	Sep 2022 - Dec 2022
<ul style="list-style-type: none"><li>Developed a Python Flask web app with MongoDB Atlas, invoked TensorFlow API for ML process</li><li>Ran app in Docker, tested REST API by Postman and deployed endpoint to AWS EC2 Instance</li></ul>	
<b>Blog</b>   <a href="#">Website</a>	May 2021 - Present
<ul style="list-style-type: none"><li>Built a static blog powered by Hugo, improved design by JavaScript, optimized website for SEO</li><li>Hosted code on GitHub, deployed web on Netlify and leveraged Google Analytics to track users</li></ul>	

## SKILLS

**Programming Language:** Java, C#, Python, JavaScript **Framework:** .NET Core, Selenium, React, Flask  
**Database:** Postgres, SQLite, MongoDB Atlas, Microsoft SQL Server, MYSQL, DBeaver, Firebase DB  
**Other:** AWS, Azure DevOps, Jira, Bitbucket, Docker, K8s, Postman, GitLab, Maven, Gradle, Jenkins