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

South Dakota State University - Brookings, SD   Aug 2017 - May 2021

Bachelor of Science, Computer Science; GPA: 3.7

Experience:

Software Engineer Intern   May 2019 - Jul 2020

Daktronics - Brookings, SD
- Designed and implemented automated test cases using **C#** in **ASP.Net Core** by coordinating configurations of back-end components for different **LED** modules
- Developed 20+ test cases with detailed documentation. Identified, evaluated, fixed defects in multiple Daktronics products. Reduced **15%** overall testing time
- Conducted non-conformance **DisplayPort** testing with **Linux Machines**
- Distributed teamwork on **Azure DevOps** and practiced **Agile** Methodology

Research Assistant   Sep 2018 - Dec 2018

Bioinformatics and Mathematical Biosciences Lab, South Dakota State University
- Created **Python scripts** to manage **metadata** from raw DNA, RNA segments
- Analyzed computational bioinformatics data utilizing **HPC** in Linux environment
- Performed gene expressions and extracted useful information for bioresearch

Projects:

Social Network App | [Website](#)   Sep 2021 - Nov 2021

A full-stack application that users can register, login, create profiles，and add posts
- Generated front-end components in **React**, and managed states with **Redux**
- Constructed extensive backend API by **Node.js & Express** interacting with **MongoDB**
- Protected routes/endpoints with JSON Web Token (**JWT**), tested API with **Postman**
- Implemented a build script, deployed final project on **Heroku** involving **Git**

Query.AI Mobile App   Sep 2020 - Mar 2021

A user-friendly Flutter mobile app as an extension to [Query.AI Website](#)
- Integrated **REST APIs** for user login authentication, secured by **base64** encoding
- Performed workflow filtering on **Elasticsearch** platform with an interactive UI
- Led a team of 4 and collaborated with other members on **GitHub** as version control

Python Slack Bot   Jan 2021 - Apr 2021

A Slack bot that will respond to different events raised in a slack channel
- Accomplished a **Flask** based REST backend web app to process Bot User requests
- Configured app with **OAuth** access token exercising slackclient and slackevents **API**
- Designed backend logic to post specific bot responses corresponding to an event

Blog | [Website](#)   Apr 2021 - Present
- Built a static blog powered by **Hugo**, Initiated **HTML** files by markdown rendering
- Supported theme switcher, tags, categories, **RSS**, API access and **multi-language**
- Deployed on **GitHub Page**, leveraged **Google Analytics** to track user behaviors

Skills:

Programming: Java (Primary), C#, Python, JavaScript, C/C++, HTML, CSS
Framework: ASP.NET Core, React, Express, Flask, Ruby on Rails, Unity, Flutter
Database: MongoDB, Microsoft SQL Server, MYSQL
Others: Azure DevOps, AWS Cloud 9, Postman, Git