

Kehan Meng

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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** | <https://dry-headland-59613.herokuapp.com/> Jun 2021 - Sep 2021

- Created a **full-stack** application that users can register, create profiles, and add posts
- Generated components in **React**, used React Hooks, 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 projects on **Heroku** involving **Git**

Query.AI Mobile App Sep 2020 - Mar 2021

- Completed a user-friendly mobile app as an extension to <https://app.query.ai/> in **Flutter**
- Integrated **REST APIs** for user login authentication, secured by **base64** encoding
- Performed workflow filtering on **Elasticsearch & Splunk** platforms with interactive UI
- Led the team and collaborated with other members on **GitHub** as version control

Python Slack Bot Feb 2021 - Apr 2021

- 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 | <https://pandax.me/> 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, C/C++, JavaScript, HTML, CSS
Others: Node.js, React, Flask, ASP.Net Core, Azure DevOps, AWS Cloud, Rails, Unity, Git
Database: MongoDB, Microsoft SQL Server, MYSQL