

Kevin Mao

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Education and Skills

Columbia University | *Class of 2021*

- Bachelor of Science in Computer Science

Skills

- Python, C, JavaScript, Git, HTML, CSS

Industry Experience

Microsoft (Azure Data) | *Software Engineer Intern*

June 2020 – August 2020

- Built an extension for Azure Data Studio to add MySQL support, the platform's #1 most requested feature, by refactoring the already-released Postgres extension backend to support multiple providers.
- Added support for many of the features already supported in the Postgres extension, such as Intellisense, table definition handling, and live table editing.
- Merged new backend into production code after fixing the 700+ test errors triggered by the reorganization.

Tulip (Platform) | *Software Engineer Intern*

June 2019 – August 2019

- Increased feature richness of Tables, a tool inside Tulip's platform that helps manufacturers manage and optimize assembly line processes by allowing them to view/edit their data in a table.
- Added Tables features such as row deletion, a datetime type, real-time data syncing across clients.
- Built features using full-stack technologies, including a Meteor + Go backend and React + Redux frontend.

Projects

Columbia Virtual Campus | *Principal Engineer*

June 2020 – Now

- Helped create a virtual community for Columbia students by building a website where students could sign up for mock coding interviews with upperclassmen, which facilitated over 60 sessions.
- Built the website using React and MaterialUI and a system that could confirm user identity via email confirmation and notify interviewer on signup using Firebase Functions and Database

Sub-mARine | *Developer*

HackMIT 2019

- Combined facial recognition and speech-to-text technology to develop a camera app that generates real-time subtitles for a person speaking and displays them in augmented reality.
- Placed in top 10 teams out of 600 participants and demoed app at closing ceremony.
- Used Python libraries Rev.ai and OpenCV to translate speech to text and to identify faces in the camera and attach subtitles to the face, respectively.

LionBase | *Freelance Product Developer*

January 2019 – December 2019

- Helped NYC companies overcome technical problems by building data-driven applications.
- Developed a dashboard to help a music licensing company better manage their database of millions of song licenses using Django and worked with Data Science students to include features like revenue anomaly detection, license searching, and data visualizations.

Columbia Data Science Institute (LIINC Lab) | *Research Assistant*

June 2018 – August 2018

- Improved Keras machine learning model accuracy to above 90% on labeled electroencephalography (EEG) datasets by running hyperparameter experiments on Google Cloud Platform virtual machines.