

Kevin Mao

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Education and Skills

Columbia University | *Class of 2021*

Skills

- BS in Computer Science (3.6 GPA)
- Course Assistant for Intro to CS in Java
- Fluency in Python and C#
- Cloud, backend, and full-stack experience

Industry Experience

Microsoft (Azure Event Grid) | *Software Engineer I and II*

July 2021 - Present

- Expanded value of Azure's premier publish-subscribe messaging service by adding 4 new delivery destination options, which has been used by 100s of customers and contributed to 50+ million messages daily on average.
- Ensured the distributed system's robustness and performance by resolving 50+ incidents, which ranged from customer reported bugs to outages, using hotfixes, manual service management steps, and other techniques.
- Supported our service's integration with Fabric, Azure's newest, intuitive end-to-end SaaS tool for cloud data analytics, by setting up critical infrastructure and building high priority features such as Fabric Job Events.
- Eliminated unnecessary traffic from Azure Storage, which reduced network costs by 12%, by designing and implementing an improved API between our services.
- Mentored and onboarded 2 new team members onto our .NET C# codebase, resulting in the faster shipping of a new Event Grid desktop tool and features that helped maintain the service's robustness.

Alexandria | *Co-founder and Full-Stack Engineer*

October 2020 - April 2022

- Co-founded an art-tech startup that was awarded \$2000 and admission into the Columbia Startup Lab.
- Built and released a MVP, using React and Google Cloud services, that helped improve art literacy for 2500+ users with an art quiz and an ML algorithm that could classify and analyze their aesthetic preferences.
- Developed a Python backend that used quiz data to calculate and select artwork recommendations from a dataset of 20,000+ and send them to 100+ daily active users via email.
- Accelerated the development of user accounts and profile pages by hiring and coaching an intern.

Microsoft (Azure Data) | *Software Engineer Intern*

June 2020 - August 2020

- Expanded the customer base of Azure Data Studio, a database management tool and query editor, by completing an extension that added support for MySQL (a demanded feature with 1000+ likes on GitHub).
- Quickly added support for all standard editor features by re-factoring and improving the Python backend to share logic between database providers, thereby also making it more extendable in the future.

Tulip | *Software Engineer Intern*

June 2019 - August 2019

- Improved the usability of Tulip's B2B manufacturing process management tool by adding widget functionalities, like row deletion in Tables and a new DateTime type, using React and other frontend technologies.

Projects

Columbia Virtual Campus | *Coding-Interviews Lead*

June 2020 - December 2020

- Led a team of 3 developers while designing & building a serverless web application using Google Cloud services and Gatsby React, resulting in 70+ signups for networking sessions and mock interviews with upperclassmen.

LionBase | *Freelance Product Developer*

February 2019 - December 2019

- Built a Django dashboard to help a NYC music licensing company better manage their database of millions of licenses and worked with Data Science students to include data-driven features like revenue anomaly detection.

Sub-mARine | *Hacker*

HackMIT 2019

- Created an AI-empowered Python camera app that combined OpenCV's facial recognition and Rev.AI's speech-to-text technology to generate real-time subtitles under the person speaking, placing in the top 10 teams.