

# Kevin Zhu

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## EDUCATION

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### Baruch College

*B.B.A. Computer Information Systems, Computer Science minor*

Aug. 2020 - Aug. 2024

Manhattan, NY

## RELEVANT COURSEWORK

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- Data Structures & Algorithms
- Database Management Systems
- Cybersecurity
- Systems Analysis and Design
- Computer Networking
- Computer Architecture

## EXPERIENCE

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### Full Stack Engineering Intern

Feb. 2024 – Present

*DAuth Network*

- Developed a full-stack app with **FastAPI, React, MySQL, and Stripe API** to provide mobile top up services
- Deployed services on **Amazon Web Services** using **Docker** to ensure scalability and reliability
- Participated in **Agile** development cycles and sprints to maintain high code quality and incorporate best practices
- Conducted code reviews that enhanced codebase readability by 50%

### Private Mathematics Tutor

May 2023 – Present

*NEST+m*

- Instruct students in a range of mathematical topics, from number theory to geometry
- Designed custom lesson plans and practice problems tailored to individual student needs and learning styles

## PROJECTS

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### Simplify | *Electronjs, Nodejs, React*

Jun. 2024

- Developed an offline, file-based music player using **Node.js** and **Electronjs**
- Utilized background loading, data fetching, and caching techniques to improve loading times by 60%
- Enhanced application flexibility by implementing support for multiple audio formats

### Essentials Estate | *Django, React, AWS, PostgreSQL, Azure, Git*

Nov. 2023 - Jan. 2024

- Developed **REST APIs** to facilitate efficient create, read, update, delete operations
- Implemented robust backend security measures using **JSON Web Tokens** to secure user accounts
- Developed **unit tests** to maintain high code quality and minimize bugs
- Collaborated effectively with team members using **Git** for version control ensuring efficient workflow management

### Mushroombot | *Python, Tensorflow, Computer Vision, Machine Learning*

Aug. 2023

- Developed an intelligent bot leveraging machine learning techniques and computer vision to navigate and interact autonomously within the MapleStory game environment
- Designed and implemented convolutional neural networks (CNNs) to precisely interpret in-game data, enabling the bot to acquire insights and learn from the game environment effectively
- Engineered and threaded multiple systems that enabled the bot to analyze and interpret in-game features

## AWARDS

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### 2nd Place AIS Hackathon Winner

May 2024

*Software Engineering*

Baruch College

- Engineered a backend system with robust authentication to manage hospital patient data securely
- Developed a binary classifier to predict the likelihood of diabetes in patients
- Collaborated with team members to design and implement a user-friendly interface

## TECHNICAL SKILLS

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**Languages:** Python, Typescript, JavaScript, HTML, CSS

**Tools:** Git, GitHub Actions, Docker, AWS, Azure DevOps

**Frameworks:** Django, React, FastAPI