Eden Chung

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EDUCATION

Barnard College, Columbia University | New York, NY | *B.A Computer Science* **May 2026**
Minor in Mathematics **GPA:** 4.13/4.00
Selected coursework: Advanced Programming (Systems), Data Structures, Discrete Math, Linear Algebra, Calculus III

SKILLS AND CERTIFICATIONS

Programming languages: Java, Python, Javascript, C, SQL, HTML, CSS
Frameworks/technologies: React.js, Tensorflow, AWS, Git, Excel
Certifications: AI and Machine Learning, certified by Cornell Tech (August 2023)

TECHNICAL EXPERIENCE

Columbia University, Calculus III | New York, NY | *Teaching Assistant* **September 2023 - Present**

- Improved student comprehension of multivariable math concepts by helping teacher with duties, including grading and providing feedback for 50 students' assignments, quizzes, and exams.

Anote AI | New York, NY | *Break Through Tech AI Studio Project* **June 2023 - Present**

- Led a project team of 5 people to build a LLM model, incorporating human feedback by using prompt engineering and finetuning to analyze financial documents.

Break Through Tech AI, Cornell Tech | New York, NY | *Fellow* **June 2023 - Present**

- Selected nationally from 1400+ undergraduates in an intensive AI and ML course, paired with weekly hands-on lab sessions, providing a strong foundation in AI and ML.
- Constructed data analysis pipelines, trained and validated models, and implemented ML algorithms including deep learning models and natural language processing, developing essential skills.

Vetro Technologies | Remote | *Full Stack Engineer Intern* **June 2023 - July 2023**

- Incorporated AWS, including Amplify & Lambda, GraphQL, and REST APIs to ensure a scalable, high-performance app and elevate user experience. Seamlessly integrated these capabilities into the React.js frontend.
- Enhanced app functionality by contributing to the backend development of the application, the search engine, acquiring proficiency in multiple APIs, including OpenAI, SERP, and Proxycurl.
- Improved user engagement by developed and implemented 15 search features, including GitHub and personal website search features, doubling the available options.

PROJECTS

Smart Resume Builder | Java **July 2023**

- Designed and developed "ResumeBuilder," a Java desktop application using object-oriented design principles, enabling users to input information for automated PDF resume generation.
- Engineered a SQLite database to streamline user authentication, enhancing access and editing capabilities for their past data and resumes, resulting in faster retrieval times.

Virtual Cardiology Assistant | Python, Flask, HTML, CSS **June 2023**

- Reduced patient wait times and increased efficiency for doctors offices, plus, as well as predict the likelihood of a heart attack by developing, training, and finetuning an AI model in Python using Scikit-learn to create an intelligent virtual assistant for cardiologists.
- Enabled AI model training by providing previously nonexistent data source, implementing MongoDB integration for secure and scalable patient database, which enabled storage and retrieval of data for hundreds of patients.

Spotify Project | Javascript, React Native **May 2023**

- Produced a cross-platform Android and iOS mobile app integrating artist and song information, a "Guess the Song" game, challenging users to identify a song from their playlist from a 30-second clip, and a playlist analyzer.
- Utilized React Native and connected the app to the Spotify API, allowing users to access and explore information about their favorite artists and songs.

LEADERSHIP/EXTRACURRICULARS

Application Development Initiative, Columbia University | Leadership Committee Member **Oct 2023 - Present**

- Expand participation in ADI's hackathon by developing the club's website in React.js, viewed by 1200+ people.

Bwog, Columbia Student Publication | Tech Team **Sep 2023 - Present**

- Maintain and contribute to Bwog's website, containing 16,000 articles for an audience of 400,000+ viewers per month.