




Efaz Ahmed

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EDUCATION

Cornell University

May 2023 – Present | New York, NY

Break Through Tech AI | Artificial Intelligence and Machine Learning | GPA: 4.0/4.0

- **Relevant Coursework:** Machine Learning Foundations - KNN, Decision Trees, Linear/Logistic Regression, Random Forest, Neural Networks

Baruch College, CUNY - Zicklin School of Business

Aug 2020 – Dec 2023 | New York, NY

B.B.A. in Computer Information Systems | Minor: Computer Science | GPA: 3.98/4.0

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Discrete Mathematics, Machine Learning, Data Mining, Natural Language Processing, Database Management Systems, Web Data Extraction
- **Organizations:** Baruch AIS (President), Google Developer Student Club (President), Google Software Engineer Program (Fellow), CodePath Advanced SWE Course (Student), CUNY Tech Prep (Data Science Fellow), BNP Paribas (Global Finance Fellow), Major League Hacking (Fellow), Bloomberg (Global Data Participant), Technology Leadership Development Program (Fellow)

SKILLS

Programming: Python, C++, JavaScript, TypeScript, HTML, CSS, Java, Swift, C#, SQL, GraphQL

Software: React.js, Next.js, React-Native, Tailwind CSS, Spring Boot, Spring Web MVC, Spring Data JPA, Swagger, OpenAPI, Apache Maven, Flask, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, SciPy, JQuery, Git, AWS, Docker, MongoDB, GCP, Firebase, Insomnia, Jupyter Notebook, MySQL

PROFESSIONAL EXPERIENCE

Kensho Technologies | S&P Global

May 2023 – Aug 2023 | New York, NY

Software Engineer Intern

- Upgraded data models to seamlessly integrate two internal APIs to enhance overall customer experience and satisfaction using Python and Pydantic
- Assembled 850,000+ texts to train zero-shot classification models for predefined concept sets using data extraction and preparation techniques
- Developed 20+ unit/integration tests to validate data model implementation class-level methods using Python's unittest module
- Delivered 5+ presentations to Scribe's engineering and product team to showcase data model integration through UML class diagrams and visualizations

Metropolitan Transportation Authority

Jan 2023 – Feb 2023 | New York, NY

Software Engineer Intern

- Transformed the traditional tuition reimbursement process to a paperless system by developing a web application to streamline current processes using Next.js and the Twilio SendGrid Email API
- Designed a highly-efficient RESTful API that seamlessly bridged client-side operations with a MongoDB database management system, effortlessly storing, managing, and retrieving over 70,000+ data points from MTA employees, supervisors, and program administrators
- Contributed to the successful implementation of dynamic form fields and validations, working closely with IT specialists to minimize client and server-side errors and optimize performance for end-users

SeatGeek

Jun 2022 – Aug 2022 | New York, NY

Software Engineer Intern

- Engineered a real-time data visualization tool, aggregating millions of data points, to display event performance metrics to 300+ stakeholders, driving revenue and growth through demand forecasting using React.js, TypeScript, and Python
- Established multiple internal RESTful API endpoints which expose a variety of data points from the internal data warehouse to the front-end infrastructures, including the real-time data visualization tool
- Constructed Python scripts to streamline data validation for SeatGeek's internal applications and services and utilized Docker to containerize the frontend and backend services to reduce conflicts with application dependencies

CodePath

Jul 2021 – May 2022 | New York, NY

iOS Technical Program Manager

- Spearheaded the successful delivery of an iOS Development course, expertly imparting complex computer science concepts such as MVC Frameworking, RESTful APIs, WebKit, MapKit, and Parse Databasing to a diverse cohort of 30+ students
- Directed a team of students to create a custom iOS application, utilizing agile/scrum development methodologies, a range of iOS libraries and APIs, and inspiring teamwork and collaboration, through a 6-week development period to help them deliver a high-quality, functional application

RELEVANT EXPERIENCE

Netflix

May 2023 – Present | New York, NY

Netflix Pathways Bootcamp Extern

- Selected as 1 of 63 cohort members out of 5000+ applicants for a highly competitive and specialized development program, gaining hands-on experience in backend development, utilizing Java, Spring Boot, SQL, AWS for creating applications and microservices
- Addressing industry-specific challenges in the streaming sector, such as media codec compression, scaling, DNS and CDN optimization, and GraphQL

IBM

Jun 2022 – Aug 2022 | New York, NY

Software Developer | IBM Accelerate Participant

- Participated in an 8-week professional development program focused on foundational business acumen and software engineering skills, including frontend and backend development fundamentals, application security, and the software development life cycle
- Developed full-stack applications skills using the React.js, JavaScript, RESTful APIs, and IBM Cloud

Google

Jun 2022 – Aug 2022 | New York, NY

Software Product Sprint Participant

- Designed and developed a web application using Java, JavaScript, HTML, and CSS in collaboration with a 3-person software engineering team, leveraging Google Cloud Platform APIs including App Engine and Datastore over a 10-week period
- Practiced industry best practices such as: contributing to open-source software using Git and GitHub, conducting code reviews, participating in distributed development, designing new components and interfaces, and leading them to completion