

Eric Kim

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EDUCATION

Northeastern University

Boston, MA

Bachelor of Science in Computer Science; Concentration in Software

Sep. 2022 – Apr. 2026

Relevant Coursework: Fundamentals of Software Engineering, Object Oriented Design, Algorithms & Data

TECHNICAL SKILLS

Languages: Python, Java, TypeScript/JavaScript, Bash, SQL, R, C

Frameworks/Libraries: React.js, Node.js, Next.js, Ansible, pandas, NumPy, Matplotlib, scikit-learn, Jest

Developer Tools: Git, Docker, Kubernetes, GitHub Actions, AWS (ECR & Secrets Manager), Snowflake, Sumologic

Concepts: Infrastructure as Code (IaC), Automation & Scripting, Cost Optimization, Containerization

EXPERIENCE

DevOps Engineer Co-op

Feb. 2025 – Aug. 2025

Medidata

Iselin, NJ

- Containerized four EC2-based jobs into a **Dockerized EKS environment**, reducing AWS costs
- Built a **GitHub Actions pipeline** to convert vendor zip files into **Debian** and **Docker artifacts** for AWS ECR
- Engineered multi-stage Dockerfiles to set up version-specific packages, shrinking image sizes by over 50%
- Created architecture-specific (ARM & x86) packages for streamlined use of Docker images

Software Engineer Intern

May 2024 – Aug. 2024

IpserLab

Remote

- Integrated a memoized query cache in React to reduce overall API call redundancy
- Reconstructed the UncoverGem website while constructing test cases, conducting QA with staff and resolving website defects to improve overall system reliability before deploying

Software Engineer Intern

Sep. 2021 – June 2022

ChefMod

Remote

- Overhauled the ChefMod mobile application using Ionic Framework in Angular and TypeScript that allowed 500+ users to communicate with distributors for up-to-date information on invoices and order history

LEADERSHIP

Director

May 2024 – Dec. 2024

Oasis

Boston, MA

- Revamped Explorer Series to hold five workshops on web development topics, bridging the gap between undergraduate curriculum and industry knowledge to give students the tools necessary to express their knowledge
- Collaborated with other Computer Science undergraduate clubs with over 120 participants among all undergraduate clubs utilizing strategic event planning and effective communication strategies
- Maintained Oasis website to deliver up-to-date information on upcoming Oasis events and collaborations

PROJECTS

Crypto Pairs Trading Program | *Python, React, Heroku, MongoDB*

- Developed a Python-based backtesting system for cryptocurrency pairs, using Pandas to analyze historical data and generate buy/sell signals for optimized trading decisions
- Scraped up-to-date Yahoo Finance cryptocurrency data on relevant cryptocurrencies (BTC, ETH, etc.) to refine market data, enhancing the accuracy of the algorithm through iterative backtesting and performance tuning

Spotify Song Sorter | *ReactJS, Spotify API*

- Designed a sorting algorithm in ReactJS to algorithmically display songs from a user-selected artist to determine the user's ranking of their discography based on the decisions of each pair of songs displayed to the user
- Performed RESTful API calls to the Spotify Web API in order to fetch artist data and store various identifying information about their discography including the albums and their tracklists