

Eric Kim

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EDUCATION

Northeastern University <i>Bachelor of Science in Computer Science; Concentration in Software</i> Relevant Coursework: Fundamentals of Software Engineering, Object Oriented Design, Algorithms & Data	Boston, MA Sep. 2022 – Apr. 2026
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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 <i>Medidata</i>	Feb. 2025 – Aug. 2025 Iselin, NJ
<ul style="list-style-type: none">Containerized four EC2-based jobs into a Dockerized EKS environment, reducing AWS costsBuilt a GitHub Actions pipeline to convert vendor zip files into Debian and Docker artifacts for AWS ECREngineered 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 <i>IpserLab</i>	May 2024 – Aug. 2024 Remote
<ul style="list-style-type: none">Integrated a memoized query cache in React to reduce overall API call redundancyReconstructed 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 <i>ChefMod</i>	Sep. 2021 – June 2022 Remote
<ul style="list-style-type: none">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 <i>Oasis</i>	May 2024 – Dec. 2024 Boston, MA
<ul style="list-style-type: none">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 knowledgeCollaborated with other Computer Science undergraduate clubs with over 120 participants among all undergraduate clubs utilizing strategic event planning and effective communication strategiesMaintained Oasis website to deliver up-to-date information on upcoming Oasis events and collaborations	

PROJECTS

Crypto Pairs Trading Program <i>Python, React, Heroku, MongoDB</i>	
<ul style="list-style-type: none">Developed a Python-based backtesting system for cryptocurrency pairs, using Pandas to analyze historical data and generate buy/sell signals for optimized trading decisionsScraped 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 <i>ReactJS, Spotify API</i>	
<ul style="list-style-type: none">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 userPerformed 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	