

KEVIN XU

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Education

Northeastern University

Expected May 2026

Candidate for Bachelor of Science in Computer Science, concentration: AI

Boston, MA

- GPA: 4.0, Khoury College Dean's List

Relevant Coursework

Object-Oriented Design, Algorithms and Data Structures, Machine Learning and Data Mining, Database Design, Foundations of Data Science, Fundamentals of CS

Technical Skills

Languages: Java, Python, Terraform, Ansible, JavaScript, HTML/CSS, TypeScript, SQL

Developer Tools: Git, AWS, Azure, Docker, VS Code, IntelliJ Idea, Eclipse, DataGrip

Frameworks: React, NextJS, Pytorch, Spring, Apollo GraphQL, JUnit, MUI

Experience

Wolters Kluwer

July 2024 – Dec 2024

DevOps Intern

Waltham, MA

- Implemented Terraform-based Azure AD login for our VMs, replacing manual SSH key management with the Azure AD extension, enabling robust access control through RBAC while significantly improving security and scalability
- Automated system inventory review using Ansible to ensure essential security agents were installed and deployed consistently and seamlessly.
- Utilized Terraform and vSphere to create reproducible test environments with automated VM configuration, enabling easy testing through snapshots and RDP, while reducing manual operations and enhancing loggability.

Khoury College of Computer Sciences

Jan 2024 – Apr 2024

Teaching Assistant for Fundamentals of Computer Science 2

Boston, MA

- Facilitated 2-3 office hours weekly to help students with course material, debugging, and design decisions.
- Graded homework and exams for 67 students in the accelerated section.
- Conducted weekly interactive lab sessions for a group of 30 students, reviewing the current week's course material and fostering practical application.

Create & Learn

Jul 2023 – Aug 2023

Front End Development Intern

Palo Alto, CA

- Increased customer service agent efficiency by 20% through developing an intuitive user interfaces using React.
- Developed a blog generation assistance tool for search engine optimization, specifically focusing on "Top 10" style blogs.
- Leveraged OpenAI's AI capabilities to develop an automated email generation tool, empowering our customer service agents to efficiently handle tickets with a personal touch and improved efficiency.

Projects

Blockstart | Java, JS, HTML/CSS, React w/TS, Spring, Git, AWS

Jun 2023 – Present

- Created a full-stack web app to streamline search process in the college track and field recruitment process.
- Developed a program that collected data from two separate track and field databases to build a recruiting profile for each college in the NCAA, stored in a SpringBoot server.
- Designed a front-end utilizing React/MUI with a classmate to allow users to seamlessly interact with the server.
- Used an AWS ec2 instance to deploy the full-stack and used Route 53 to map to our custom domain blockstart.net

ReinforcementSnake | Python, PyTorch, Matplotlib, CUDA

Sep 2024

- Developed an AI-based Snake agent enhanced by CUDA, utilizing PyTorch to train the snake for intelligent decision-making and gameplay optimization. [Demo](#)
- Trained the model with deep Q-learning, using an epsilon-greedy strategy to balance exploration and exploitation, and visualized training progress with Matplotlib.
- Tuned hyperparameters such as discount rate, learning rate, and batch size to enhance performance and achieve progressively higher scores.

Extracurriculars

Northeastern Varsity Track & Field

Jan 2023 – Present

Athlete

NCAA Division I

- Achieved 6th Place for Pole Vault at CAA Championships, contributed to Northeastern Athletics Team of the Year.