



# 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](https://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.