

# Esat Adiloglu

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## EDUCATION

### Stevens Institute of Technology

Hoboken, NJ

*Bachelor of Science in Computer Science | GPA: 3.865*

*Expected May 2026*

**Scholarships and Awards:** Edwin A. Stevens, Dean's List: Fall 2023-Fall 2024

**Relevant Coursework:** Cloud Computing, Deep Learning, Agile Methods, Software Development, Database Management, Web Programming, Systems Programming, Data Structures, Algorithms, Discrete Structures

## TECHNICAL SKILLS

**Languages:** Javascript, Python, Java, C, C#, C++, Typescript, SQL, Bash, R, HTML, CSS

**Databases:** Firebase, MongoDB, PostgreSQL

**Frameworks and Libraries:** React, Next.js, Angular, Node.js, Numpy, Pandas, Bootstrap, Material-UI, Tailwind CSS, junit, Python unittest

**Developer Tools:** Git, AWS, Docker, Kubernetes, Vercel, VS Code

**Operating Systems:** Ubuntu Linux, Unix

## EXPERIENCE

### Course Assistant

September 2024 - Present

*Stevens Institute of Technology*

*Hoboken, NJ*

- Assisted in 2 courses: Introduction to Scientific Computing (Fall 2024), and Data Structures (Spring 2025)
- Managed the grading of homework's, labs, and exams of classes with 40+ students
- Developed automated grading scripts using Python unittest and junit, improving grading speed and accuracy.
- Hosted weekly office hours and recitation to assist students, addressing questions on homework's, labs, and topics covered in class.

### Software Engineering Fellow

July 2024 – August 2024

*Headstarter*

*Remote*

- Worked in a team to build and deploy 5 AI projects in 5 weeks using React, Next.js, Firebase, Clerk, and Vercel.
- Implemented Agile methodologies with weekly sprints and CI/CD pipelines, optimizing iterative deployment and ensuring best practices.
- Tasked with creating and implementing a final project that acquires at least 1000 users for a waitlist, or generates \$1000 in revenue.

## PROJECTS

### Rate My Professor Chatbot | *Next.js, Gemini, Python, Pinecone, Material-UI*

August 2024

- Developed an AI-powered chatbot for professor academic reviews and ratings that utilizes Next.js and Material-UI
- Built a backend API integrating Google Gemini and Pinecone, leveraging vector embeddings to generate contextually appropriate responses for users
- Integrated Pinecone vector database with Conda Python, storing and retrieving information about professors

### AI Flashcards | *Next.js, Firebase, OpenAI, Clerk, Stripe, Material-UI*

August 2024

- Coordinated with 3 people to design and develop a SaaS web application that utilizes Next.js, Material-UI, and Firebase to generate flashcards for learning.
- Utilized OpenAI GPT-4 to generate flashcards on a given topic, ensuring depth and accuracy of the content.
- Applied Clerk with Firebase for user management and the sign-in process, improving security and authentication.

### Final Exam Finder @ Stevens | *Typescript, React, Node.js, Express, PostgreSQL, Render*

July 2024

- Collaborated with a team of three to create a full-stack web application to streamline final exam dates and times for 1000+ Steven Institute of Technology students
- Utilized React and Typescript for interactive user interfaces, and Node.js and Express for a RESTful backend
- Modified Excel-style Exam Schedules into a PostgreSQL database, optimizing data management and retrieval

### Minishell | *C*

March 2024 - April 2024

- Developed a custom bash shell in C, enabling execution of standard commands.
- Created a custom lp commands that shows all of the current processes in a Linux environment by using system calls, enabling users to view all active processes
- Implemented signal handling, using SIGINT to terminate commands while the shell remains unaffected