

# Esat Adiloglu

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## EDUCATION

### Stevens Institute of Technology

Hoboken, NJ

*Bachelor of Science in Computer Science*

*Expected May 2026*

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

**Relevant Coursework:** Data Structures, Algorithms, Discrete Structures, Intermediate Statistics, Systems Programming, Database Management, Web Programming

## EXPERIENCE

### Course Assistant - Introduction to Scientific Computing

September 2024 - December 2024

*Stevens Institute of Technology*

*Hoboken, NJ*

- Managed the grading of homework's, labs, and exams for a class of **42** students with 1 other CA.
- Partnered with the Professor to provide guidance to students in completing their weekly **Python** labs in time.
- Hosted office hours 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 of 4 to build and deploy 5 AI projects in 5 weeks using React, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Gained valuable insight on how to begin a startup from engineers from Google, Stanford, Amazon and venture-backed startups.
- Tasked with creating and implementing a final project that acquires at least 1000 users for a waitlist, or generates \$1000 in revenue.

## PROJECTS

### AI Flashcards | *Next.js, Firebase, OpenAI, Clerk, Stripe* | [github](#)

August 2024

- Coordinated with 3 fellows 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* | [github](#)

June 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 backend
- Modified Excel-style Exam Schedules into a **PostgreSQL** database, optimizing data management and retrieval

### Minishell | *C* | [github](#)

March 2024 - April 2024

- Developed a custom bash shell in **C**, enabling execution of standard commands and a custom **lp** command.
- Created a parser to split the user input into arguments for execution.
- Implemented signal handling, using **SIGINT** to terminate commands while the shell remains unaffected

## TECHNICAL SKILLS

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

**Databases:** Firebase, MongoDB, PostgreSQL

**Frameworks and Libraries:** React, Bootstrap, jQuery, Next.js, Clerk, Material-UI, Tailwind CSS, Stripe, OpenAI, Gemini

**Operating Systems:** MacOS, Ubuntu Linux

## INTERESTS

Fencing, Baking Desserts, Working Out, Reading Books