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 springs 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, MangoDB, 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