

Elias Treadway

treadwaydesignsofficial@gmail.com | Atlanta, Georgia | 478-213-3695 | GitHub: [mcdiamund](#)

EDUCATION

Georgia State University

Bachelor's of Arts & Sciences in Computer Science

Atlanta, Georgia

May 2025

WORK EXPERIENCE

Productive Cloud Solutions

Atlanta, Georgia (Remote)

Lead Frontend Engineer

Dec. 2022 – Present

- Demonstrated leadership as a team lead for a group of four employees, overseeing all front end development.
- Learned new frameworks and languages quickly to troubleshoot and resolve issues for clients.
- Debugged and resolved issues in numerous apps and websites for other employees and my own work, resulting in improved functionality and user experience.
- Worked heavily in React.js and Flutter, while also working with Django, PHP, and other frameworks as per project requirements.
- Worked with project managers to create tasks for front end development and collaborated with the back end development team to make sure connections ran smoothly.

Elysian Computer Holdings LLC.

Anchorage, Alaska (Remote)

<https://www.elysiancustomcomputers.com/>

Sep. 2022 – Mar. 2023

Full Stack Engineer

- Designed intuitive and visually appealing UI for web applications using Photoshop, ensuring alignment with client preferences and brand aesthetics.
- Produced detailed design documentation to facilitate seamless implementation and future reference.
- Developed frontend components using Next.js, CSS, and HTML, prioritizing responsiveness and user experience.
- Implemented backend functionality utilizing MySQL and AWS services such as S3, RDS, and SES, ensuring scalability, security, and reliability.

Georgia State University

Atlanta, Georgia (On-Site)

Undergraduate Research Assistant | CHAI

Jan. 2025 - May. 2025

- Contributed to Anima Sentio, a research project exploring the uncanny valley and emotional engagement with digital humans.
- Integrated local TTS systems like Tortoise TTS to generate realistic, expressive voices.
- Assisted in the development of facial detection features in Python to enable user recognition and emotional feedback.
- Helped implement contextual memory storage using MongoDB, enabling persistent identity recognition across sessions.
- Authored an independent research paper based on the project's findings, contributing original insights into empathy and realism in digital human interaction.

SKILLS

Languages: HTML, CSS, Javascript, Dart, Python, GraphQL, Typescript

Libraries: React.js, Node.js, Express, Bootstrap, MUI, Tailwind

Frameworks: Next.js, Vite, Django, Flutter, React

Technologies: RESTful APIs, Git, VSCode, AWS, Docker, Firebase, MongoDB, MySQL

Platforms: Windows, MacOS, Linux

PROJECTS

Treadway Designs LLC. | Note.

June 2024

- Developed a mobile app with Flutter enabling users to save, annotate, and share locations in collaborative collections.
- Engineered a Python-based backend using GraphQL, AWS Lambda, and MongoDB, fully deployed with AWS SAM and running within a secured VPC.
- Integrated Google Maps API for location search, reverse geocoding, and place metadata connected to MongoDB.
- Implemented Redis caching to reduce latency and improve performance on high-frequency queries.
- Built and secured user authentication and session management with AWS Cognito.
- Designed a clean, responsive UI/UX, iterating through multiple prototypes for a seamless user experience.
- Developed custom GraphQL resolvers, context-aware location data processing, and collaborative features for note sharing.

Superior Advantage Realtors Inc.

October 2023

<https://superioradvantage-re.co/>

This project was a commission done for a small real estate company. This was made in a couple of days and created with React.js and Google Maps API.

Ross++

Dec 2022

Ross++ is a counter application used by family and friends to track sightings of our dear friend. This web app is built using React, Express, and MongoDB, along with a simple email service and security measures to stop spamming. This was my first app learning MERN full stack.