

Alexis Lovitz

EDUCATION

BS in Computer Science - Minor in Cybersecurity

Old Dominion University

August 2018– May 2022

Relevant Courses

GPA - 3.84

- Object-Oriented Programming and Design
- Introduction to Software Engineering
- Advanced Data Structures and Algorithms
- Introduction to Theoretical Computer Science

WORK EXPERIENCE

Data Entry Specialist

June 2020 – Present

New England Sports Photo

- Collect and input data from various online sources into spreadsheets.
- Monitor spreadsheets to maintain data accuracy and organization.
- Schedule job shifts for employees and keep them organized.
- Create and update calendar events as necessary.

Gaming Instructor

October 2021 – Present

Dazzling Minds Academy

- Develop and implement an itinerary of engaging activities for students during class time.
- Establish and manage private servers for multiple video games.
- Oversee the private chat forum for enrolled students.
- Monitor virtual classrooms on Zoom during weekly class time.
- Develop class descriptions and outline rules for students to follow during class time.
- Organize and facilitate multiple online social clubs for students ages 5-12 years old.

AI Trainer

April 2023 – Present

Outlier

- Evaluated AI-generated writing based on predefined rubrics including factuality, completeness, brevity, and grammatical correctness.
- Reviewed and provided feedback on the work of fellow human writers to ensure consistency and quality.
- Crafted top-tier original responses to prompts, contributing to the improvement of AI models' understanding of excellent writing.

PROJECTS

Attention Assistant

- A desktop application to aid ADHD-affected adolescents with focus and productivity, developed as a team over 2 semesters for a capstone project. I focused on front-end development.
- Implemented a GUI taskbar with features such as Priority Manager for task management, Pomodoro Timer, Free Thought Space for breaks, Happy Thought Buttons and Negative Thought Burner for mental support, friendly avatars for notifications, and customizable settings.
- Designed the backend to track user activity by monitoring keyboard and mouse inputs, operating system events, internet tracking, and facial recognition. The data is used to generate a score and determine if the user is on task, and a Progress Report is provided at the end of each week.
- Created a Parent Portal for parents to customize settings, import tasks, and limit features on their child's profile, with user account information secured by a hashing function, which I implemented.

Enrollment Projection

- The program processes past and current enrollment data from Old Dominion University to predict future enrollment.
- The program reads text files, filters relevant data, and performs necessary calculations.
- Results are presented in a CSV file with a scatterplot of historical, current, and projected enrollment data.

CPU Temperatures

- The program efficiently reads and analyzes CPU temperature data from multiple text files taken in 30 second intervals through interpolation and least squares calculations.
- Results are presented in text files with included least squares regression and interpolation calculations.

CONTACT

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SKILLS

• C++

- I have a strong proficiency in C++, having learned and used it for various projects throughout my college years.

• Python

- I have used Python for developing CPU Temperature analysis and other smaller projects. It provided a welcome change from Java and C++ and was an enjoyable experience.

• Java (JSwing)

- I gained experience in frontend development using Java Swing in the development of the Attention Assistant. The experience was fulfilling as I was able to bring my work to life visually.

• Databases (MySQL)

- During the development of the Attention Assistant, I briefly worked with MySQL and gained an understanding of SQL, while primarily focusing on frontend development. It was intriguing to see the functionality and practical use of SQL.

• Jira

- I utilized Jira for agile software development in the creation of the Attention Assistant, effectively distributing tasks to complete the project.

• GitLab

- I used GitLab for collaborative teamwork and coding practice during the development of the Attention Assistant and the Enrollment Projection.

• HTML

• CSS

• JavaScript

- I have a foundational understanding of HTML, CSS, and JavaScript, having self-taught these languages in high school out of my interest in computer science and a desire to start coding. These were utilized in the development of the Attention Assistant website.