Charlie Alpert

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EDUCATION

The University of Texas at Dallas | Richardson, TX　　　　　　　　August 2021 - May 2025
Bachelor of Science **Computer Science**　　　　　　　　　　　　　　　　　　**GPA: 3.95**
Relevant Coursework: Programming in C++ and Java, Discrete Math 1 & 2, Probability and Statistics, Data Structures in Java, Computer Architecture in MIPS Assembly

SKILLS

Computer Languages: Java, JavaScript, Python, C++, MIPS Assembly
Tools and Frameworks: Unix Shell, GitHub, Xcode, IntelliJ IDEA, MARS MIPS Simulator, IDLE, NetBeans, BlueJ, CLion, Windows, MacOS, Linux, Microsoft Office, Youtube Creator Studio

WORK EXPERIENCE

Code Ninjas | Coding Sensei Tutor | Austin, TX　　　　　　　　　　June 2021 - August 2021
- Conducted Javascript-based game design workshops and classes for kids from ages five to fourteen
- Directed summer courses teaching Youtube video editing, posting, and growth

PROJECTS

Music Reverser | Java | Data Structures　　　　　　　　　　　　　　　　　Fall 2022
- Takes an audio file and reverses sound, saves audio in new file

File Encryptor | MIPS Assembly | Computer Architecture　　　　　　　　　Fall 2022
- Encrypts or decrypts a file with a key based on user input

HashMap Manipulator | Java | Data Structures　　　　　　　　　　　　　　Fall 2022
- Adds and removes items from hashmap using separate chaining, linear probing, and quadratic probing

Password Checker | MIPS Assembly | Computer Architecture　　　　　　　　Fall 2022
- Program that verifies if a password entered by the user is valid
- Checks if password contains proper characters, contain no invalid characters and is a valid length

RedBox Rental System | Java | Programming in Java　　　　　　　　　　　Spring 2022
- Checks movies in and out of system using a binary search tree

EXTRACURRICULARS

Artificial Intelligence Society | Outreach Officer | UT Dallas　　　　October 2022 - Present
- Organized AIS hackathon, collaborated with other organizations, and connected with companies

Women's Club Volleyball | Vice President | UT Dallas　　　　　　September 2021 - Present
Previous: Secretary (Jun 2022 - Dec 2022), Member (Sep 2021 - May 2022)
- Managed social media, planned practices, and researched and registered for tournaments

Computer Science UIL Team | Captain | Cedar Park High School　　November 2018 - May 2021
Previous: Member (Nov 2018 - May 2020)
- Competed in Java by coding logical problems as a group of three

HONORS AND AWARDS

Academic Excellence Scholar | Scholarship Recipient | UT Dallas　　August 2021 - May 2025
- $6,500 per semester for eight semesters awarded for scholastic achievement

Salutatorian | Cedar Park High School　　　　　　　　　　　　　　　　　June 2021
- Graduation second in class of 505 students with weighted GPA of 5.755 on 6.0 scale

Computer Science UIL State Bronze Champion | Cedar Park High School　　June 2021
- Received 3rd at the state competition for java coding problems