

Benjamin Juan

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Education

B.S. Computer Science

The University of Texas at Dallas

GPA: 3.625

Anticipated: May 2022

Organizations: Association for Computing Machinery, Institute of Electrical and Electronics Engineers, Artificial Intelligence Society

Courses: Computer Science (I & II), Computer Architecture, Discrete Mathematics, Probability and Statistics for CS, Programming C++ in a Unix Environment, Software Engineering, Digital Logic and Computer Design, Database Systems, Machine Learning, OS Concepts, Automata Theory

Awards: Jonsson School Academic Success Scholarship, Fall 2020 Deans List

Skills

Languages: Java, C++, Python, HTML/CSS, JavaScript, XML, R

Frameworks: React, Svelte

Tools: Git, Unix, Cloud Computing, Android Studio, Visual Studio, AWS

Projects

Artificial Intelligence Mentorship (AIM) – Artificial Intelligence Society

September 2021-November 2021

Python, Jupyter Notebook

- Worked on back-end development using Python to create a program that recognizes hand movement in video calls under the guidance of a 7-Eleven Machine Learning Engineer industry mentor
- Learned various AI/Machine Learning concepts such as neural networks, computer vision, and natural language processing

Android Paint App

April 2021 - May 2021

Java, XML, Android Studio

- Created an Android application that allows the user to paint strokes on the frame with different sizes and colors.
- Implemented an ArrayList to keep track of each stroke's color and allows the user to redo strokes by deleting from the last index.

Tutoring Upload Portal – IEEE Forge

February 2021 - May 2021

Svelte, NodeJS, TypeScript

- Collaborated with an agile development team to create a dynamic website portal for tutors to upload notes for other students through CRUD functionalities.
- Utilized MERN stack concepts and IEEE API throughout the project timeline.

Experience

Undergraduate Teaching Assistant

January 2022 – Present

- Assist professor in CS 1136 course which introduces students to the building blocks of programming such as arrays, loops, logic statements, and variable assignments.
- Conduct lab hours to help students with their assignments and exams.