

Joshua Silva

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Objective

To gain professional software engineering experience while enrolled in college. I'm looking for a full-time position during the Summer.

Education

BS | SOPHOMORE | THE UNIVERSITY OF TEXAS AT SAN ANTONIO

- Major: Computer Science
- Cumulative GPA: 3.86
- Related coursework: Essence of Computer Science, Computer Programming II, Data Structures

HS DIPLOMA | MAY 2022 | BOWIE HIGH SCHOOL, AUSTIN, TX

- Final GPA: 4.26/5
- Related coursework: Intro to Web Development, AP CS Principles (5), AP CS A (4), Projects in CS
- Awards: **CTE Award in Computer Science (2022)** – The recipient is chosen by CS department and is **awarded to a CS student** who displays an evident skill and passion for computer science

Skills & Abilities

PROGRAMMING LANGUAGES | Problem solving using data structures and algorithms

- Advanced **Python**
- Intermediate Java, Rust, C, and JavaScript/TypeScript

DATA SCIENCE/MACHINE LEARNING

- **Machine learning** and **data science** tools such as Sci-kit Learn, Pandas, NumPy, TensorFlow, and Pytorch
- **Read and comprehend literature** related to **deep learning, computer vision, and natural language processing**

WEB DEVELOPMENT | Develop full-stack web apps

- Intermediate HTML, CSS, and JavaScript/Typescript
- **Modern web technologies** such as React.js, Next.js, TailwindCSS, Prisma, and tRPC

Experience, Activities & Projects

RESEARCH ASSISTANT | UTSA VIRLAB | JUN. 2023 – PRESENT

- Training neural networks to detect traumatic brain injury in brain scan images

TECHNICAL OFFICER | ACM UTSA | MAY 2023 – PRESENT

- Developing membership portal features and streaming meetings
- Developing websites for multiple ACM hackathons
- Use Google Workspace Admin to manage ACM GSuite users and permissions

SOLE DEVELOPER | INDEPENDENT PROJECTS | 2021 – PRESENT

- Developing an open-source software written in Rust to manage and automate 3d printer farms
- Developing a personal tech blog to launch soon

TECHNICAL LEAD | ICODE, LLC | AUG. 2021 – AUG. 2023

- Taught 500+ future innovators technical coding skills through project-based instruction

PROJECT LEAD | ACM UTSA - ROWDY CREATORS | JAN. 2023 – MAY 2023

- Leading the development of a full-stack web app to crowd-source data collection and labeling for ML