

AARON CAPRON

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EDUCATION

Bachelor of Science in Computer Science, Minor in Mathematics

Graduating: 05/2026

The University of Texas at El Paso, El Paso, TX

Major GPA: 4.00

Relevant Coursework: Calculus III, Discrete Mathematics, Probability & Statistics, Data Structures/Algorithms

Clubs & Organizations: Free Open-Source Software Club (FOSS), Google Developer Student Club (GDSC), Coding Interview Club (CIC), Entering Student Experience Organization (ESE)

SKILLS

Languages: Python (advanced), Java (mid), HTML/CSS (mid), JavaScript/TypeScript (mid), R (mid), PHP (novice)

Tools: Git (advanced), Agile (mid), Docker (mid), NumPy (mid), TensorFlow (mid), AWS (novice), Kubernetes (novice)

EXPERIENCE

Open-Source Contributor: Unify AI, Remote

10 hours weekly • 07/2024 – 10/2024

- Designed and implemented advanced AI models and algorithms using **Python** and **TensorFlow**
- Analyzed large datasets with **NumPy** to identify patterns and insights.
- Integrated AI models into cloud modernization services with other developers using **AWS** and **Docker**.

AI Engineer: Outlier AI, Remote

25 hours weekly • 06/2024 – 10/2024

- Collaborated with software engineers to configure model instances using **TensorFlow**, achieving **97.87% accuracy**.
- Improved confidence with rating and clarification stages, achieving seamless integration of **RESTful APIs**.
- Supported early & late development models for high-profile clients; Bard, Copilot, Tidio.

Apprentice Manager: Discount Tire, El Paso, TX

30 hours weekly • 03/2021 – 08/2024

- Managed backroom workflow's safety and efficiency through best practices and workflow strategies.
- Upheld company philosophies like IOOGA and ensured our customers left safer than they arrived every time.
- Supervised a DevOps pipeline with **SAP Fiori** to streamline inventory management and forecast customer demand.


LEADERSHIP

UTEP Student Orientation Leader, El Paso, TX

15 hours weekly • 06/2023 – 06/2024

- Directed and mentored first-year Computer Science students, offering guidance and support.
- Led and managed orientation groups of **up to 100 students**, ensuring smooth navigation of courses and events.
- Facilitated a welcoming and informative environment, enhancing the overall orientation experience.

PROJECTS

Destiny 2 ArmorPicker, Open-Source Lead Developer 

20 hours weekly • 06/2021 – 10/2024

- Created a website to aid Destiny 2 players with their armor combinations.
- Led a programming team of 6 for 36 months utilizing both the Agile environment and the CI/CD pipeline.
- Used **Angular**, **HTML/CSS**, **TypeScript** and **Figma** to design a meaningful, interactive webpage.
- Website earns an average of **1.4M monthly organic visitors** with an average visit time of **8 minutes**.

Inventory Management System, Sole Developer

5 hours weekly • 06/2024

- Developed a web-based inventory application using **HTML/CSS**, **JavaScript**, **Python**, **Firebase**, and **Flutter**.
- Integrated the Flutter web interface to the Python backend with **RESTful APIs**.
- Following the microservices architecture, allowing for future scalability with other microservice applications.
- Resulted in a **13% increase** in the Price Per Unit metric in its deployment month.