

Xander Achilles Treat

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EDUCATION

Arizona State University Polytechnic – May 2025 (Graduating)

Bachelor's of Science in Software Engineering

-GPA: 4.09

-Dean's List: All Years

EXPERIENCE

Until Now

- Implemented and maintained a plugin leveraging LUA and a limited API that significantly changes and improves gameplay on a multi-platform game with hundreds of thousands of players, seen by thousands of players
- Developed an autonomous maze navigation protocol for an EV3 Robot in a team environment using various hardware sensors and a limited testing environment & API utilizing MATLAB functional mathematical programming language
- Developed a Java-based color palette generator, that provides users a large color palette full of colors that aesthetically go together based on color science
- Developed a python web scraper which scrapes pricing and market data from a digital market aggregator then presents data and statistical analysis
- Developed a C program utilizing raylib as user interface to manage client game server deployments
- Worked in Agile Scrum team environments multiple times, managing projects, communicating and collaborating with others for team success, organizing, and using continuous integration and strategies for version control, and managing deployment

December 2024

Developed free and open-source NPM package that utilized TypeScript to deliver a typesafe Astro component that makes API requests and delivers inline SVG for icons, 800 downloads in its first week.

September 2024 - May 2025

Creating a full-stack web application that will serve many Canadian business owners. The application employs a hybrid approach, combining static server-side rendering, partial hydration, and a single-page application (SPA) dashboard for heavy data management and analytics. This customizable dashboard empowers users to manage their data effectively. Some of the technologies being utilized include Vite, React, TailwindCSS, DaisyUI, drizzle ORM, SQLite, Auth.js, Motion, D3.js and more

SKILLS

Languages: C#, C, C++, Java, Python, LUA, HTML, CSS, JavaScript, TypeScript

Web: Node.js, Deno, Vite, Astro, React, React Native, Fresh, Preact, HTMX, TailwindCSS, D3, Motion

Cloud: MySQL, SQLite, MongoDB, Drizzle ORM, Docker, AWS, Google Cloud

Tools: GitHub (+ Actions), Trello, Taiga, Slack, VSCode, CI, Microsoft & Google Office