AARON ABERASTURIA

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EDUCATION

University of Central Florida   Expected Graduation: *Spring 2026*

B.S. Computer Science || GPA: 3.5/4.0   Dean's List: *Spring 2023, Spring 2024*

- **Relevant Coursework:** Object Oriented Software Development, Object-Oriented Programming, Systems Software, Computer Science, Artificial Intelligence, Machine Learning, Discrete Structures, Statistical Methods

WORK EXPERIENCE

Freelance Web Developer | Self-Employed   *January 2025 – Present*

- Designed and engineered responsive websites for small businesses using **HTML**, **CSS**, **JavaScript**, and **AWS** (S3, CloudFront, Route 53), enhancing business visibility and achieving a **30%** increase in web traffic through optimized performance and tailored solutions.

E-Commerce Business | Self-Employed   *November 2020 – Present*

- Generated **$700k+** in revenue by deploying automated purchase systems with **APIs**, **bots**, and **proxies** to reduce acquisition time for high-demand products by **90%**, while managing suppliers and clients to scale operations and ensure profitability.

PROJECTS

Contact Manager Web Application   *January 2025 - Present*

- Collaborated with 2 peers to build a responsive web application using the **LAMP stack**. Designed **RESTful APIs** for secure user authentication and contact management with **AJAX-enabled CRUD** operations. Deployed on **DigitalOcean** with a custom domain for live hosting.

Car Rental Web Application   *December 2024 - January 2025*

- Developed a full-stack car rental platform using **React**, **Next.js**, **TypeScript**, **GraphQL**, and **Tailwind CSS**, delivering a dynamic and user-friendly interface; integrated **HyGraph CMS** for efficient content management and implemented responsive design to enhance cross-device usability.

Stock Price Prediction Web Application   *November 2024 - December 2024*

- Orchestrated the development of a stock prediction application using **Python**, **Pandas**, **Streamlit**, and **TensorFlow**, leveraging an **LSTM** neural network to increase forecasting accuracy by **10%**, integrating real-time data retrieval with **YFinance**, and enhancing usability with interactive features and **Matplotlib** visualizations for a responsive, production-ready UI.

SoundCloud Stream Automation Tool   *September 2024 - October 2024*

- Constructed a **Java** automation tool using **Swing**, **AWT**, and **Robot** libraries to streamline browser refresh actions with dynamic URL inputs; implemented multithreading to achieve **50%** faster execution and enhanced GUI responsiveness with robust input validation for seamless performance.

SKILLS

- **Languages:** Python, Java, JavaScript, TypeScript, C, SQL, PHP, HTML, CSS, R; Fluent in English & Spanish
- **Frameworks:** React, Node.js, Next.js, TensorFlow, Streamlit, Tailwind CSS
- **Tools**: MySQL, REST APIs, Git, GitHub, Postman, SwaggerHub, Google Cloud, DigitalOcean, Apache, HyGraph CMS, YFinance
- **Operating Systems:** Linux, Windows, macOS
- **Certifications:** Microsoft Excel, Microsoft Word, Microsoft PowerPoint