

AARON ABERASTURIA

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EDUCATION

University of Central Florida, Orlando FL
Bachelor of Science in Computer Science

May 2026
GPA: 3.60

- **Related Coursework:** Data Structures and Algorithms, Object-Oriented Software Development, Systems Software, Senior Design, Machine Learning, Artificial Intelligence, Discrete Mathematics, Linear Algebra

WORK EXPERIENCE

Software Engineer Intern | OneStream Software

June 2025 – August 2025

- Built a production-ready application from scratch as a full-stack developer in an Agile/Scrum environment using **C#, .NET, EF Core, Angular, TypeScript**, and **Microsoft Azure** to collect, transform, and visualize development metrics across **Jira** and **Azure DevOps**
- Constructed and deployed **RESTful APIs** with **ASP.NET Core Minimal APIs**, implemented **ETL pipelines** with **EF Core**, and integrated **Angular Material** dashboards to deliver real-time, actionable insights to stakeholders

Freelance Web Developer

January 2025 – April 2025

- Developed responsive and scalable websites for small businesses using **HTML, CSS, JavaScript**, and modern design practices, improving site performance and user experience across devices
- Enhanced web application speed and reliability by integrating **AWS** services (**S3, CloudFront**), resulting in a **30%** increase in client engagement and measurable improvements in **SEO** and conversion rates

PROJECT EXPERIENCE

Scuba Diver Exploration App

February 2025 – April 2025

- Created the frontend UI with **React** and **TypeScript**, enabling scuba divers to upload and share photos of marine discoveries while displaying images, timestamps, and locations on a world map
- Handled **APIs** and frontend-backend integration while collaborating with a **team of 6** to create a full-stack web and mobile application using **MongoDB, Express, React**, and **Node**

Contact Manager Web Application

January 2025 – February 2025

- Collaborated with **2 peers** to develop a responsive web application using **Linux** for server management, **Apache** for hosting, **MySQL** for database, **PHP** for backend development, and **HTML, CSS, JavaScript** for the frontend
- Designed **RESTful APIs** for user authentication and contact management, improving efficiency and security

Stock Price Prediction Web Application

November 2024 – December 2024

- Built a stock prediction app using **Python, Pandas, Streamlit** and **TensorFlow** with an **LSTM** neural network, improving the accuracy of the forecast by **10%**
- Upgraded UI with interactive features and **Matplotlib** visualizations to create a seamless interface

SoundCloud Stream Automation Tool

November 2024 – December 2024

- Engineered an automation tool using **Java, Swing, AWT**, and **Robot libraries**, enabling dynamic URL-based browser refreshing for stream automation
- Optimized execution speed by **50%** using **multithreading**; deployed and **actively used by 25+ users**

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C#, C++, C, SQL, PHP, HTML, CSS, JSON, R
- **Frameworks:** React, Node.js, Angular, Next.js, Spring Boot, Django, TensorFlow, EF Core, ASP.NET Core
- **Tools:** Microsoft Azure, AWS, RESTful APIs, Swagger, Git, GitHub, MySQL, MongoDB, Google Cloud, Postman, GraphQL, Linux, Shell Scripts, Windows, macOS, Pandas, NumPy, Matplotlib
- **Methodologies:** Agile, Scrum, ETL
- **Languages:** English, Spanish

ON-CAMPUS INVOLVEMENT

- First Step | Mentor
- Society of Hispanic Professional Engineers (SHPE) | Member
- Knight Hacks | Member

July 2025 – Present
January 2025 – Present
August 2024 – Present