

AARON ABERASTURIA

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EDUCATION

University of Central Florida , Orlando FL	May 2026
Bachelor of Science in Computer Science	GPA: 3.60
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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 DevOpsConstructed 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	
<ul style="list-style-type: none">Developed responsive and scalable websites for small businesses using HTML, CSS, JavaScript, and modern design practices, improving site performance and user experience across devicesEnhanced 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
<ul style="list-style-type: none">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 mapHandled 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	
<ul style="list-style-type: none">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 frontendDesigned RESTful APIs for user authentication and contact management, improving efficiency and security	
Stock Price Prediction Web Application November 2024 – December 2024	
<ul style="list-style-type: none">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	
<ul style="list-style-type: none">Engineered an automation tool using Java, Swing, AWT, and Robot libraries, enabling dynamic URL-based browser refreshing for stream automationOptimized execution speed by 50% using multithreading; deployed and actively used by 25+ users	

SKILLS

<ul style="list-style-type: none">Programming Languages: Python, Java, JavaScript, TypeScript, C#, C++, C, SQL, PHP, HTML, CSS, JSON, RFrameworks: React, Node.js, Angular, Next.js, Spring Boot, Django, TensorFlow, EF Core, ASP.NET CoreTools: Microsoft Azure, AWS, RESTful APIs, Swagger, Git, GitHub, MySQL, MongoDB, Google Cloud, Postman, GraphQL, Linux, Shell Scripts, Windows, macOS, Pandas, NumPy, MatplotlibMethodologies: Agile, Scrum, ETLLanguages: English, Spanish

ON-CAMPUS INVOLVEMENT

<ul style="list-style-type: none">First Step MentorSociety of Hispanic Professional Engineers (SHPE) MemberKnight Hacks Member	July 2025 – Present
	January 2025 – Present
	August 2024 – Present