ANDY VAN

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EDUCATION

University of Central Florida   August 2022 - August 2025
B.S in Computer Science   *Orlando, FL*
· GPA 3.88; *cum laude*
· Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Algorithms for Machine Learning, Mobile Software Development, Parallel Programming, Database Systems

PROJECTS

Locked In
· Incorporated a MERN stack to develop a multi-featured productivity manager as a team
· Utilized React to create webapp that features calendar events, timers, and a to-do list
· Drafted up foundational prototypes for user interfaces using Figma

College Event Website
· Built a full-stack application for college events that features role-based access, commenting system, and group-specific visibility
· Integrated Leaflet.js to create interactive map UI for event creation and viewing
· Practiced relational database design with creating SQL schema and enforcing constraints

Cosmos
· Developed a simple space-themed contact manager as a team using a LAMP stack
· Worked as a front-end developer and developed skills in HTML, CSS, Bootstrap, and JS
· Practiced accessibility principles for proper, responsive UX design with a Lighthouse score of 95

GambELLEr
· Developed an educational Unity game for language-learning UCF students as capstone project
· Deployed game to website, ensuring game is WebGL-compatible and responsive to users
· Emphasized visual and audio feedback for user interactions with the game
· Executed design patterns for Object-Oriented Programming in C# to implement core game mechanics

TECHNICAL SKILLS

Language	Java, Python, C++, C#, JavaScript, TypeScript, HTML5, CSS, SQL
Framework	React.js, Next.js, Bootstrap, Tailwind CSS, Chakra UI
Tools	Figma, Unity, Android Studio, Jira, Git, GitHub

Certifications
· AWS Certified Cloud Practitioner
· Unity Certified User: Programmer
· MTA: Introduction to Programming Using Java

EXTRACURRICULARS

UCF Cuong Nhu Karate Club   September 2022 - June 2024
· Participated in volunteering opportunities as a sports club member
· Maintained effective communication to manage club finances as Treasurer (December 2023 - June 2024)