

Austin Villanueva

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EDUCATION

University of Central Florida

Aug. 2023 – May 2027

B.S. Computer Science, Minor in Mathematics

Orlando, FL

- **Relevant Coursework:** Advanced Data Structures and Algorithms, Object-Oriented Programming, Computer Logic and Organization

TECHNICAL SKILLS

Languages: Java, JavaScript/TypeScript, Python (Pandas, Matplotlib, Plotly, Scipy), C, SQL

Technologies: React.js, Next.js, Flask, Django, MySQL, PostgreSQL, MongoDB, Git, Scikit-Learn, TensorFlow

PROJECTS

Contentium | *Django Rest Framework, Next.js, PostgreSQL, OAuth, Next-Auth.js*

In Progress

- Architected full-stack social media management platform, reducing content planning time by **40%** through centralized multi-platform dashboard built with **Next.js and Django REST Framework**
- Engineered secure authentication system handling, implementing **Next-Auth.js with PostgreSQL** user management that achieved **99.5%** login success rate and **sub-100ms** authentication response times.
- Deployed scalable infrastructure handling **10,000+** monthly API requests using **Vercel, Heroku, and Supabase PostgreSQL**, achieving **99.8%** uptime and **sub-200ms** response times.

ScrapUs | *Next.js, PostgreSQL, Next-Auth.js*

August 2025

- Delivered secure photo-sharing platform, enabling seamless album creation and management with **Next-Auth.js** authentication system
- Implemented Spotify API integration processing **5,000+** song clip attachments, enhancing user photo experiences and increasing session duration by **35%**.
- Optimized **PostgreSQL** database queries reducing photo load times by **60%**, designing efficient album-photo relationship schema that supports rapid retrieval across user collections.

Finance Tracking App | *Flask, Matplotlib, Seaborn*

April 2024

- Developed personal finance dashboard tracking **\$50,000+** in user transactions, providing authenticated users with real-time expense categorization and budget insights.
- Generated dynamic data visualizations processing **2,000+** financial data points, delivering actionable spending insights that helped users reduce unnecessary expenses by **15%**.

EXPERIENCE

Playtoon.it

March 2025 - August 2025

Software Development Intern

Orlando, FL

- Delivered user dashboard, implementing **Next.js frontend with Next-Auth.js** that reduced login friction by **50%** and increased user session completion rates to **85%**.
- Built robust account creation system, integrating **Google OAuth** and email confirmation with auto-generated usernames, achieving **98%** successful account activation rate.
- Designed **15+** API endpoints using **Prisma and Joi** validation in **Express.js** backend, ensuring data integrity for **PostgreSQL** database operations and reducing API error rates by **40%**.

Costco Wholesale

Sep. 2023 - Present

Forklift Driver

Orlando, FL

- Optimized merchandise logistics contributing to **#1** Southeast warehouse ranking, analyzing daily inventory data to improve product placement strategies that increased warehouse efficiency by **12%**.

EXTRACURRICULARS

Design & Code Club

Sep. 2023 - Present

UCF

Orlando, FL

- * Completed **5+** technical workshops on **Node.js and React.js**, applying acquired skills to develop **3** personal projects and collaborate on **2** team-based applications.
- * Participated in **5+** networking events with **50+** industry professionals, establishing connections that led to **2** collaborative project partnerships.