

# 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

- Developed a social media content management application using **Next.js** and **Django Rest Framework**, enabling users to manage and gain insights of their content across multiple platforms.
- Integrating an **AI model** to provide feedback and suggestions on the user's social media content to maximize likes, comments, and views.
- Deployed the front-end using **Vercel**, the back-end with **Heroku**, and use a **PostgreSQL** database from **Supabase**.

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

August 2025

- Engineered a seamless **Next.js** web application with **Next-Auth.js** to allow users to store photos in albums securely.
- Implemented **Spotify's API** to enable users to attach song clips to their photos.
- Building a friending system with **email notifications** so that users can add other users and create shared albums which is stored in the **PostgreSQL** database.

### Finance Tracking App | *Flask, Matplotlib, Seaborn*

April 2024

- Implemented user authentication and expense tracking dashboard using **Python** and **Flask**.
- Designed dynamic data visualization charts with **Matplotlib** and **Seaborn** to give advanced insights.

## EXPERIENCE

### Playtoon.it

March 2025 - August 2025

*Software Development Intern*

*Orlando, FL*

- Collaborated on a team to create the user dashboard by using **Next.js** and **Next-Auth.js**, enabling secure user access.
- Constructed an account creation system that incorporates **Google's OAuth service** and **email confirmation** to make an account with an **auto-generated username** and **exponential back-off** for safety measures.
- Utilized **Prisma** with **Joi** in our **Express.js** backend to design API routes that interact with our **PostgreSQL** database, providing the front-end with necessary information.

### Costco Wholesale

Sep. 2023 - Present

*Forklift Driver*

*Orlando, FL*

- Leveraged merchandise data to optimize sales strategy making us **#1 warehouse in the Southeast**.

## EXTRACURRICULARS

### Design & Code Club

Sep. 2023 - Present

*UCF*

*Orlando, FL*

- \* Expanded my skill set through front-end workshops on **Node.js** and **React.js**, applying these skills to subsequent projects.
- \* Attended networking events, engaging with peers and potential collaborators for front-end development projects.