

# Edwin Villanueva

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## EDUCATION

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### University of Central Florida

*B.S. in Computer Science, 3.5/4.0 GPA*

*Relevant Coursework: Data Structures and Algorithms, Computer Logic & Organization, Object Oriented Programming, Discrete Mathematics, C, Python, Java*

Orlando, Florida

*Expected Graduation: 2026*

### Indian River State College

*Associates of the Arts Degree, 3.62/4.0 GPA*

*Relevant Coursework: Introduction to Computer Programming (C++), College Computing*

Port Saint Lucie/Fort Pierce, Florida

*Graduated: April 22, 2022*

## TECHNICAL SKILLS

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**Languages:** GML, C++, Python, C, Java, HTML, CSS

**Tools:** Git, Github, Linux, GameMaker (YoYo Games) Eclipse, Visual Studio, Code::Blocks

## EXPERIENCE

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### Member

*Knight Hacks*

January 2024 - Present

*University of Central Florida*

### Retail Sales Consultant

*AT&T*

- Provided customers with courteous customer service
- Generated sales and personalized solutions to align with customer needs
- Maintained a clean and organized environment

February 2022 - April 2023

*Vero Beach & Orlando, Florida*

### Other Work

*Walgreen's (February 2021 - June 2023), Culver's (October 2020 - February 2021)*

*Florida*

## PROJECTS

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### Muse | (Personal Project) Python, OpenAI

- Uses OpenAI to suggest song specifications in the event that a musician is hindered by writer's block.
- Given the song's tempo range and musical influences (user input), the program will randomly generate a final tempo to work off of, which in turn, will return a suggested key ([C/D/E/F/G/A/B], [sharp/flat], [major/minor]), a genre to work towards, and will suggest lyrical directions the song could go in.
- The purpose of this program is to instantly give artists a solid foundation for their next song as opposed to getting stuck before the project can even start.

### Guitar Practice Software (In-Progress) | (Personal Project) C

- Gives users practice options to gain fretboard fluency and chord knowledge.
- Uses visual representations (planning to implement sound input/output) to help the user learn effectively.

## **AWARDS**

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**Dean's List** | University of Central Florida, Indian River State College

**Advanced International Certificate of Education** | Treasure Coast High School

**Top 10%** | Treasure Coast High School

**Bright Futures**