

# Matthew Fernandez

Software Development | Education

## CERTIFICATIONS

Florida Temporary Educator Certificate Mathematics Grades 6-12

## WORK EXPERIENCE

*December 2024 - Present | Santa Fe College Academy*

**Teacher - Geometry/Programming Fundamentals**

- Succeeded in getting an above county-average pass-rate for my Geometry students.
- Prepared and presented educational content on a daily basis.
- Organized student assignments, class curricula, and gradebooks across multiple courses.
- Developed an understanding for professional communication and the workplace environment.
- Served as students' first stop for IT-related issues.

## PROJECT EXPERIENCE

*January 2023 - December - 2023 | Four Person Team*


**Cue-Cetera - Facial Cue Recognition App**

- Headed development of page routing and the User Interface.
- Integrated several pre-existing packages to fit our application's unique design goals.
- Exercised clean code protocols by modularizing the former codebase to make future work and debugging easier.
- Collaborated with team by using Agile Development methodologies.

*January 2022 - May 2022 | Four Person Team*

**Descent - Single Player Boss-Rush Prototype**

- Scripted Movement and Combat Logic for the playable Angler character, using coroutines and kinematics.
- Handled player animation integration, using enumerated move states with freely available Mixamo animations.
- Integrated music, art, animations, and logic into functional boss battles.

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 <https://fernandezmatthew.github.io>

## EDUCATION

2021 - 2024

**University of Florida,**

Gainesville, FL

*Bachelor of Science, Computer Engineering*

*GPA - 3.72*

2018 - 2020

**Santa Fe College,**

Gainesville, FL

*Associate of Arts, Engineering*

*GPA - 3.93*

## Relevant Skills

**Programming/Hardware Languages -**

C/C++ (5 years)

Java (2 years)

C# (3 years)

VHDL (1 year)

XML, CSS, HTML (< 1 year)

Various Assembly Languages

**User-Interface Implementation -**

Image Editing

I/O Processing

Back-End Linking

**Hardware Design -**

FSM Controllers

CPU Datapaths

Instruction Set Architectures

**Teaching / Tutoring -**

Mathematics

Computer Science