

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

- Served as students' first stop for IT-related issues.
- Came in during the middle of the school year to a group of students who hadn't had a proper teacher all year.
- Started my first year of teaching with a class that was several months behind.
- Succeeded in getting an above county-average pass-rate for my Geometry students.
- Developed a profound respect for workers in education.

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