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Ettore Mottola

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EDUCATION

FLORIDA INTERNATIONAL UNIVERSITY
BS in Computer Science - Software Design and Development Track
Dec 2020 | Miami, FL

LINKS

Personal:// **ettore.dev**
Github:// **ettore34**
LinkedIn:// **ettore-mottola**

CERTIFICATIONS

UIPATH
RPA Developer Advance
Solution Architect

COURSEWORK

UNDERGRADUATE
Data Structures
Operating Systems
Computer Logic
Functional Programming
Software Testing
Software Engineering I & II

AWARDS

HACKATHONS
2019 Best Local Community FIU
2019 Best Overall BC

SKILLS

PROGRAMMING
Over 5000 lines:
• Java • Python
Over 1000 lines:
• C++ • CSS & HTML • Javascript
Familiar:
• C • C# • MySQL • F# • Prolog

LANGUAGES

FLUENT AND PROFICIENT
English
Spanish

EXPERIENCE

ACCELIRATE | AWS & Python Software Developer
DEC 2019 - Present | Sunrise, FL

CODE EXPLORERS | AWS & AR/VR Software Developer Intern
JUN 2019 – AUG 2019 | Miami Lakes, FL

- Developed VR Project hosted and presented at the United Nations in New York City at the SDG Action Zone, held during the High-level week of the United Nations General Assembly
- Partnered with Amazon AWS Sumerian team to develop an educational VR environment
- Created educational VR/AR modules to educate children about the United Nations Sustainable Goals

CODE EXPLORERS | Computer Science Instructor
APR 2018 – APR 2019 | Miami Lakes, FL

- Taught Computer Science fundamentals, including Object-Oriented Programming, to children
- Designed new workshops and classes Involving AR
- Sharpened leadership and public speaking skills by facilitating hour-long lectures

BROWARD COLLEGE | Computer Science Tutor
JAN 2016 – FEB 2018 | Davie, FL

- Strengthened debugging skills based on common patterns for various programming languages (Java, C++, PY)
- Increased students' overall grades by 30% by providing supplemental materials to aid them in class
- Tutored an average of 50 students/week on computer science concepts and principles

PERSONAL PROJECTS

SPATIAL COMPUTING EXPERIENCE | Magic Leap ML1 Application

- Worked on a personal project to create a spatial computing interactive gaming experience
- Incorporated meshing and space awareness to accurately interact with the physical environment
- Presented the project at Magic Leap headquarters as well as to notable individuals such as the Florida DOE's Chancellor of Innovation.

PROTEIN MANIPULATION | Python Application (research)

- Assisted Physics professor with the creation of a PDB (Protein Data Bank) Manipulation application in Python
- Modeled and analyzing molecular structures using VMD (Visual Molecular Dynamics)

MOLECULAR DYNAMICS SIMULATION PROTOTYPING ENVIRONMENT | Parallel Programming Application

- Parallelized Professor's Ph.D. Project Using PyCuda
- Increased performance by 30% by creating C++ modules that parallelized Leapfrog Integration method, a method used for updating both velocity and position