MICHAEL ZELAYA

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EDUCATION

Nova Southeastern University (NSU)   May 2022
Bachelor of Science in Computer Science,   Fort Lauderdale, FL
Minor in Mathematics, Minor in Cybersecurity

Broward College   June 2019
Associate of Arts   Davie, FL

KEY SKILLS
Language: Fluent in Spanish and English.
Computer Languages: Python, C++, C#, HTML, JAVA, JS
Certifications: Adobe Photoshop & Illustrator

RESEARCH
1cademy Research Member   July 2021
University of Michigan, School of Information and Computer Science   Remote
- Condensed an extensive amount of knowledge in order to build upon a research platform.
- Assisted research members in introducing new studies to the platform.

COMPUTER SCIENCE PROJECTS
Muszilla   February 2021 - May 2021
CSIS 3750: Introduction to Software Engineering   Fort Lauderdale, FL
- Utilized Azure servers to develop a cloud SQL server.
- Learned new sets of skills in Microsoft SQL to create and structure the database.
- Gained experience in team collaboration by employing an Agile development style and providing feedback.
- Researched HTML and C# to assist with middle and front-end development.

Shark Machine   August 2021 - December 2021
CSIS 3810: Operating Systems Concepts   Fort Lauderdale, FL
- Designed and developed a High-level program in JAVA to simulate the operation of a rudimentary operating system that provides multi-tasking capability.
- Defined the notion of an interrupt handler that processes a time quantum for each running job and handles the YLD instruction by providing the handler function to context switch the current job and interact with the short-term scheduler to choose the next process to run.

Automated Banks   August 2021 - December 2021
CSIS 3810: Operating Systems Concepts   Fort Lauderdale, FL
- Developed and composed a system that provided an automated bank account management process where the system allowed multiple credit producer threads each adding funds to a single bank account as well as multiple consumer threads that debit the bank account.
- Utilized JAVA threads and semaphores that coordinated with the credit and debit thread activity such that a deadlock, indefinite postponement, overdraft of the bank account and credit card would not occur.

PROFESSIONAL EXPERIENCE
Neurofeedback Technician   February 2022 - Present
WESTON CENTER FOR PSYCHOLOGICAL SERVICES INC   Pembroke Pines, FL
- Worked directly with clients to provide neurofeedback sessions.
- Guided clients through the neurofeedback process by fitting the proper equipment as well as ensuring they were working on the proper sites.
- Worked alongside fellow technicians to properly record client self-reported notes as well as other documents requested by their therapists.

AWARDS & AFFILIATIONS
- **President's Award for Educational Excellence**   - **NSU Dean's List Recognition**
- **Farquhar's Honor College Minor**