

Daniel Neel

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LinkedIn

EDUCATION

Florida International University, Miami, Florida

Bachelor of Science in Computer Science

Expected Graduation: 2019

GPA: 2.52

PROFESSIONAL EXPERIENCE

AdMobilize, Intern

Miami Beach, FL

February 2017 – January 2018

- Developed, tested, and improved the functionality of the MATRIX Creator IOT development board
- Collaborated on projects such as Matrix Pay, Matrix Rover, and Matrix Concierge
- Applied agile methodologies and leveraged collaboration tools like Slack, Google Hangouts, Trello, and GitHub

PROJECT EXPERIENCE

Virtual Roll Call, Senior Project

September 2019 - Present

- Collaborating with the Pinecrest Police Dept to develop a replacement for antique in-person meetings
- Implementing new features for easier on-boarding of other police depts, fixing bugs, and adding unit tests
- Built with an MVC + Client-Server architecture, Angular.js, PHP, HTML5, CSS3, and MySQL

Personal Portfolio, Personal Website

September 2019

- Followed DevOps practices to develop a personal website and built, tested, and deployed through a CI/CD pipeline
- Utilized Azure DevOps for storyboarding and time-tracking by breaking down the project into User Stories, and Tasks, all written with the proper format following Agile methodology.

Professor Schedule Manager, Software Testing

January – May 2019

- Collaborated on a team of 5 to create, evaluate and implement a test plan for a medium-size code segment.
- Utilized tools like the IBM rational functional tester to support system testing, coverage analysis and debugging.
- Created a facade design pattern to make the code more readable and to make testing easier.

Student Chat FIU, Software Engineering I

August -November 2018

- Effectively collaborated with a team of 4 to design and implement a student collaboration tool.
- Optimized code readability and functionality by using design patterns such as a singleton, and a facade
- Built using .Net Core MVC for fast software development and the SignalR library for real time web functionality

Matrix Pay, Emerge 2017 Hackathon

July 2017

- Worked with a team to make a facial recognition payment system leveraging the Matrix Creator
- Implemented face training and recognition using the matrix computer vision services AdMobilize provides
- Utilized MongoDB to store and retrieve the face id of people who have been trained on the system

Matrix Concierge, Matrix Labs

June 2017

- Developed a hotel inspired room assistant using Node.js and the Matrix Creator IoT device
- Leveraged the VISA CyberSource payment API and the Google speech API for speech recognition and payments
- Integrated Pocket Sphinx speech recognition to enable utilization of vocal commands through the 8-mic array

RELEVANT SKILLS

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|-----------------------|-------------------------|---------------------|--------------|
| • Java (Intermediate) | • Django | • Azure DevOps | • Bootstrap |
| • Node.js (Beginner) | • .Net Core | • Agile Methodology | • REST |
| • Python (Beginner) | • SQL & NoSQL Databases | • Scrum | • HTML + CSS |

LEADERSHIP AND INVOLVEMENT

Theta Tau Professional Engineering Fraternity

April 2016 - Present

- Took part in several STEM outreach trips to local middle schools through Engineering on Wheels events
- Collaborated with other student organizations to host joint social and professional events
- Developed and maintained Theta Tau's website <https://thetatau.fiu.edu>