






Manuel Kamboykos

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EDUCATION

Florida International University | Miami, FL

Bachelor of Science in Computer Science Jan 2020 - Dec 2021

- Software Design and Development Track
- Upsilon Pi Epsilon (UPE) Honor Society
- Dean's List: 3 Semesters; GPA: 3.65

Florida International University | Miami, FL

Bachelor of Arts in Psychology Jan 2017 - Apr 2019

- Graduated Magna Cum Laude
- Honors College Graduate
- Dean's List: 5 semesters; GPA: 3.71

Courses: Data Structures, Discrete Structures, Programming I & II, Software Engineering I & II, Calculus I & II, Probability & Statistics, Computer Architecture, Fundamentals of Software Testing, Systems Programming, Principles of Programming Languages

SKILLS SUMMARY

- **Languages:** HTML/CSS, JavaScript, F#, Python, Java, Objective-C
- **Frameworks:** Bootstrap, Materialize
- **Tools:** Git, GitHub, Pandas, Stanza
- **Platforms:** Windows, MacOS, Linux (CentOS)
- **IDEs:** NetBeans, Visual Studio Code, Visual Studio, Android Studio
- **Soft Skills:** Leadership, Teamwork, Event Management, Problem Solving, Critical Thinking, Project Management

EXPERIENCE

Spark Dev: Artificial Intelligence Team Member

Upsilon Pi Epsilon Sep 2020 - Dec 2020

- Participating in a 5-person team to create an application that analyzes any given text using a Machine Learning model through Natural Language Processing to determine the overall sentiment.
- App utilizes Pandas for data manipulation and analysis, along with Stanza for Natural Language Analysis with Python in Visual Studio Code.
- Demonstrated effective use of preprocessed data through stemming.

Spark Dev: Robotics Team Member

Upsilon Pi Epsilon Jan 2020 - Apr 2020

- Contributed to a 12-person team to build a battery powered Bluetooth robot, by conjointly using a Raspberry Pi and Arduino boards.
- Designed a basic user interface with directional arrow buttons for motor control in mobile app versions using Android Studio and Xcode.
- Implemented both a remote camera and an ultrasonic distance sensor with feedback provided.

PROJECTS

Drone Sentinel – Hackathon Team Project

Sep 2020 – Sep 2020

- Developed a facial recognition heat sensing camera using a Raspberry Pi 4 circuit board attached to a remote-controlled drone.
- Utilized Google Vision API for facial recognition with Firebase to store names, and OpenCV for the heat sensor feature with Google Cloud Storage to store output images.
- Assembled and hosted a static website in Visual Studio Code with Microsoft Azure Storage using HTML/CSS and JavaScript to live stream the camera's output through a MJPG-Streamer online.

Excel Sheet Reader – Personal Project

Feb 2020 – Mar 2020

- Led a five-person research team to analyze survey data results for matriculated FIU students vs. substance abuse.
- Applied strong programming competency in Java, as well as efficient analytical skills to record accurate data results.
- Designed to scan through rows and column metrics of an Excel sheet, to provide results in the form of percentages or desired outcome.

CERTIFICATIONS

Full Stack Certification by FreeCodeCamp – Self-Taught (May 2021)

- Responsive Web Design ✓
- JavaScript Algorithms and Data Structures ✓
- Front End Libraries
- Data Visualization
- APIs and Microservices
- Information Security and Quality Assurance

AWARDS & ACCOMPLISHMENTS

- Competed in FIU UPE ShellHacks 2020 Hackathon
- Presented undergraduate honors research thesis at:
 - National Conference on Undergraduate Research (NCUR 2019)
 - Florida Undergraduate Research Conference (FURC 2019)
 - Conference for Undergraduate Research at FIU (CURFIU 2019)

TECHNICAL & NON-TECHNICAL SKILLS

- **Software:** Adobe Creative Cloud, Microsoft Office Suite, Trello, Discord
- **Spoken Languages:** English (Fluent), Spanish (Native)