






Manuel Kamboykos

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EDUCATION

Florida International University | Miami, FL

Bachelor of Science in Computer Science Jan 2020 - May 2022

- Software Design and Development Track
- Upsilon Pi Epsilon (UPE) Honor Society
- Dean's List: 3 Semesters; GPA: 3.45

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, Probability & Statistics, Computer Architecture, Fundamentals of Software Testing, Systems Programming, Principles of Programming Languages, Net-Centric Computing

SKILLS SUMMARY

- **Languages:** Java, JavaScript, HTML/CSS, Python, Objective-C, C#, C++, F#
- **Frameworks:** React.js, Vert.x, Express.js, Bootstrap, React-Bootstrap, Material-UI, Flask
- **Tools:** Git, GitHub, GitLab, Adobe XD, Draw.io, DBaer, MySQL Workbench, pgAdmin 4, Docker
- **Databases:** Azure MySQL, MongoDB Atlas, PostgreSQL, Firebase
- **Platforms:** Node.js, Windows, MacOS, Linux (CentOS, Raspberry Pi OS, Ubuntu)
- **Soft Skills:** Leadership, Teamwork, UI/UX Design, Problem Solving, Critical Thinking, Project Management

WORK EXPERIENCE

Software Engineer Intern | Bentonville, AR (Remote)

Walmart Global Tech. | Cloud Powered Checkout Jun 2021 - Aug 2021

- Contributed to the back-end development process of a RESTful API and microservices-based multipurpose universal configuration tool.
- Implemented HTTP routing request/response methods to both retrieve and update targeted data from a cloud database server.
- Developed asynchronous Java code using the Vert.x Web Client Framework linked to an Azure SQL Server through a JDBC driver.

PROJECTS

Time Waiter – Personal Web App Project

Feb 2021 – Mar 2022

- Conducted extensive research with the goal to improve both customer experience and employee satisfaction in the restaurant industry.
- Planned, designed, prototyped, and currently developing a full-stack client-server Progressive Web Application (PWA), using a CRUD based approach with RESTful API implementation.
- Utilized React.js for the frontend, along with Node.js, Express.js, and a relational database with MySQL for the backend.

Spark Dev: Artificial Intelligence Team Member

Upsilon Pi Epsilon Sep 2020 - Dec 2020

- Participated 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.

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.

CERTIFICATIONS

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

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

LEADERSHIP & VOLUNTEERING

Web Development Tech Lead

Jul 2021 – May 2022

Google Developer Student Club (GDSC) | FIU

- Coordinated and assembled a team of 25 active members, to develop a PWA from scratch.
- Scheduled online weekly lectures to teach and explain important web development concepts for both frontend and backend.
- Managed and continuously provided support for planning, to ensure delivery of the product successful and on time.

TECHNICAL & NON-TECHNICAL SKILLS

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