

Yair Flores

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EDUCATION

Kennesaw State University, Southern Polytechnic College of Engineering

Marietta, GA *Bachelor of Science in Computer Engineering with focus on Software Engineering*

May 2021

- GPA: 3.47/4.0
- Coursework Highlights: Advanced Embedded Design, Computer Org & Interfacing with Assembly Programming & C, Network Devices, Electronics, Circuit Analysis, Multivariable Calculus, Diff Eq, Engineering Business Economics

TECHNICAL SKILLS

Languages: *Proficient* in C, Python, C# / .NET, Node.js.

Experienced in C++ , VHDL, ASM (Assembly Language), MatLab, Java, JavaScript

Software: Linux (bash), Eclipse, Cloud9, Visual Studio, Wire Shark, SolidWorks, FTP applications, SSH/Telnet client applications, IBM Planning Analytics, Docker, Kubernetes

PROJECTS & RESEARCH

V2X Undergraduate Research: *Python, Node JS, Linux, Networking, Docker, Kubernetes, HTML, BananaPi R2* June 2020 – Present

- Using Commercial-Off-The-Shelf (COTS) components and open-source software, to reduce the Total Cost of Ownership (TCO) of Vehicle-to-Everything Roadside Equipment (V2X-RSE) as well as deployment, testing and platform creation.
- Additionally, created a proxy server which connects out to the networks of RSE & OBE with a web platform for developers to code, test, and deploy new functionality and features to RSE using connected VPN and internet facing web portal.
- Deployed COTS V2X-RSEs at multiple locations with Kubernetes deployment supporting IoT edge computing and demonstrating the capabilities of the COTS V2X-RSE, including custom Docker Registry (OwlBoxHub) with custom ARM containers.

Home Away IoT: *C#.NET, Node JS, Linux, Networking, Beagle Bone Black*

March 2020 – May 2020

- <https://youtu.be/ANFcgwPOi4w>

- Creating a smart IoT humidity sensor with its own API which communicates to a homebrew MQTT like platform and would connect to other sensors around the US, pulling data and managing it autonomously for subscribers.

Simple Waste: Swift, C, JavaScript, Beagle Bone Black

January 2020 – Present

- Creating a smart IoT trashcan to detect the type of garbage being thrown away and open designated compartment using connected AI through Wi-Fi and iPhone/Android app development for analytics and insights.

Li-Fi Pro: C, ASM, Eclipse, STM32 board

September 2019 – December 2019

- Built an LED light communication platform and designed circuitry that communicated two STM32 boards together across light

PC Cell MD: HTML

July 2016 – July 2017

- Continuously worked on a client-side website for PC & Cell MD cellphone/computer repair shop

PROFESSIONAL EXPERIENCE

BrandSafway

Kennesaw, GA

IT Analyst Intern

September 2020 – Present

Frontline to IT service ticketing queue and incoming phone calls with assistance to the following, escalating to next level technician, IT Manager or IT Director as appropriate and documenting for systems performance and metrics reporting:

- Set up, install and maintain desktop, laptop, print hardware/software plus peripherals, site network file structures, access rights, network security, network users, network printing and desktop user environments, Microsoft O365 account, setup Microsoft applications verified via Microsoft Authentication, and troubleshoot issues, providing end-user technical support using remote tools (primarily Team-viewer).
- Configure and support the LAN, WAN and wireless networking devices with specific reference to Cisco/Meraki hardware.
- Maintain standards around antivirus protection, general software licensing, approved software and hardware use.
- Ensure all technical support related activities comply with the global compliance standards and procedures.

Vision Hospitality Group

Kennesaw, GA

Corporate Operations Assistant & Analyst | Supervisor

August 2019 – September 2020

- Collaborate with teams in orchestrating corporate functions at both property level and corporate level.
- Optimal data utilization with process scripting in IBM Planning Analytics/TM1/Cognos, DataPlus, & M3 Accounting via integration of multiple data collection systems, improving company functions and operations.
- Daily IT solutions at both property level as well as corporate level for operations fluidity

Pappa's Restaurants: Pappadeaux Seafood Kitchen & Pappasito's Cantina

Marietta, GA

Server

August 2017 – May 2019

- Key responsibilities include attending to guests in a hospitable and informative manner. Achievements included working with management to minimize dissatisfaction and increase company profits.
- Attended seminars for strong presentations with suggestive emphasis on upselling items to achieve a greater income of about 25-40% for company with 90% success rate.

PC & Cell MD

Flowery Branch, GA

Head Technician & General Manager

July 2016 – July 2017

- Managed and oversaw entire shop while communicating to owner status of the asset. Including, managing employees, performing majority of repairs for phones, computers, systems & custom website for company with analytical backend.
- Achievements included optimizing repair return times, maximizing company profits by competitively marketing and selling products and services, creating inventory through foreign China negotiations, drove sales and reviews to be number one repair shop in area.

LEADERSHIP EXPERIENCE

Individual Private Tutor

- Organized privately held tutoring in various subjects from Math, Science and Language to Programming and Engineering
- CpE Apprentice Club, *Secretary*

ADDITIONAL INFORMATION

Foreign Languages: Fluent Spanish, Limited French