

William Hernandez

PHONE NUMBER: +1 (956) 578-1434

EMAIL: WHERNAN2598@GMAIL.COM

ADDRESS: 3405 HUISACHE AVE, HIDALGO TX 78557

SCHOOL ADDRESS: 1201 W UNIVERSITY DR, EDINBURG, TX 78539

GITHUB: [HTTPS://GITHUB.COM/MAFFINZ](https://github.com/MAFFINZ)

Summary of Qualifications

Senior Undergraduate student at University of Texas Rio Grande Valley, with experience in web applications as well as software development using widely used web-frameworks. Expertise in Full stack development and in various projects involving microcontrollers and software.

Education

University of Texas at Rio Grande Valley, TX

Expected Graduation: December 2020

Bachelor of Science in Computer Science

- **Relevant Coursework** – Algorithms & Data Structures, Discrete Structures, Software Engineering, Operating Systems

Skills

- **Programming Languages** – Python, HTML, CSS, JS, C, C++, Java, C#, SQL
- **Frameworks** – React JS, Flask, Django, .NET
- **Tools** - VS Code, Eclipse, xCode, GIT, MySQL, MongoDB
- **Operating Systems** – Windows 7-10, Linux/Unix, MacOS
- **Misc.** – Fluent in Spanish, Aerospace and automotive knowledge, Game Development.

Experience

Software Developer Intern, IBM Corporation

June – August 2020

Contributed by doing FVT (Testing) with NCA as well as using JAT for automated testing, Helped JAT overcome bugs, all using Java programming language.

- Worked in FVT and Development with NCA fixing and modifying NCA (Network Configuration Assistant)
- JAT breakthrough fixing bugs and helping NCA continue with testing using JAT. (Java Automation Testing)
- Formed part of focus group for patents.

Full Stack Developer Intern, IBM Corporation

June – August 2019

Redesigned architecture and front-end design of an IBM Application using Angular and Flask, automating testing for IBM Appscan Application.

- Used Angular to modernize IBM lifeline front-end and Flask to handle back-end
- Facilitate developer interaction within IBM to conduct testing by automating process on Application
- Formed part of focus group for patents

Hackathon | Hack TX

October 20-21, 2018

Worked in a 4-member group, creating an EZ Tag for gas dispensaries with the intent to of reducing customer payment process time and grow revenue for client.

- Potential 20% time saved for costumer at gas pump
- Developed using Ruby on Rails, HTML/CSS and JS

Leadership & Organization

The Rocket Launchers

Participated in both Recovery and Payload teams developing software for microcontrollers as well as finding solutions to circumstantial issues during challenge.

- Pioneered technology for the team and converted mechanical solutions into electrical solutions
- Developed software and hardware for automatic parachute deployment system in tandem with landing gear
- Developed Small self-regulated temperature chamber for medical applications.

Association for Computing Machinery at UTRGV

Member of ACM with leadership experience in mentoring and conducting workshops for new members

- Mentor new computer science students to assist them with acclimation to curriculum
- Volunteered in various STEM activities aimed at children and teenagers in encouragement of STEM fields