

# Enrique Rivera Jr

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[github.com/Quantum-Impulse](https://github.com/Quantum-Impulse) - <https://enriquerivera.netlify.app/>

Software developer with +4 years of experience building projects by myself and within groups which includes coding, testing, debugging, and optimization. Seeking to leverage my proven achievements into other areas within software to gain a better understanding of the professional field.

## PROFESSIONAL EXPERIENCE

### FRC ROBOTICS

Lead Programmer (50hrs weekly), September 2017 - 2020

- Wrote computer code in C++, Java, and Python to make software for large scale robots to be controlled with a gamepad and to handle tasks autonomously using PIDs
- Used linux to program accurate computer vision systems to guide robots and shooting mechanisms to reach their targets
- Robots contained cameras, motors, pneumatics, accelerometers, ultrasonic sensors, limit switches, servos that all needed to be programmed

### MLH (HACKATHONS)

July 2018 – present

- Designed and developed programs with a team to achieve the theme of the hackathon. I have used C++, Java, Python, CMake, OpenCV, javascript, , html, css, scss, and node.js to build multiple projects

## EDUCATION

### The University of Texas at Austin

Bachelor of Science in Computational Physics, August 2021 - Pending

- Elements of Computing Certificate – Pending

### San Antonio College

Information Technology & Security Academy, August 2019 – January 2020

## ADDITIONAL SKILLS

- **Technologies/Software:** CMake, OpenCV, Visual Studio, JetBrains, Node.js, Express.js, Webpack, Three.js, Xampp, Babel
- **Programming Languages:** JAVA, SQL, HTML, C/C++, JAVASCRIPT, PYTHON, CSS/SCSS, KOTLIN
- **Hardware:** PCs, Linux, and Macintosh

## CERTIFICATIONS

- Google IT Support Professional Certificate – 2021