

PETE AGUIRRE II

Las Vegas, NV | (702) 738-3699 | pete.jpa@gmail.com | jpaguirre15.github.io/catsudon/index.html

Summary: Currently seeking a Software Engineer role in an innovation-driven environment with expectations of expanding my knowledge in the field while providing efficient tools for clients/customers.

QUALIFICATIONS

- Four-year degree in Computer Science using C/C++ with two years of work experience.
- Experience in JavaScript, SQL, and HTML5 & CSS3.
- Strong understanding of concepts in **Object-Oriented Programming** and **Agile Methodology**.
- Possess good analytical skills that translate into outstanding problem solving.
- Detailed-oriented & accurate, ability to thrive in a fast-paced, high-complexity environment both individually and team oriented.

PROFESSIONAL EXPERIENCE

TESLA

Energy System Designer II

Las Vegas, NV

September 2020 - Present

- Create tools (in C++ and JavaScript) for the design team to make work efficient.
- Develop design specifications and functional requirements for solar energy systems.
- Analyze green technology, cost, and benefits of proposed design and projects.

TERBINE

IoT Data Searcher

Las Vegas, NV

July 2019 – March 2020

- Used Python 3 libraries to split and analyze data for specific variables.
- Wrote SQL queries to clean data.
- Created and organized descriptive metadata and submitted for entry into the Terbine system.
- Provided more than 50% of the international data sources for Terbine (during time with Terbine).

FRY'S ELECTRONICS

Computer Components and E-Cage Associate

Las Vegas, NV

July 2015 – November 2016

- Learned how to use Microsoft Excel.
- Effectively communicate with all the departments at Fry's Electronics.

EDUCATION

UNIVERSITY OF NEVADA, LAS VEGAS

Bachelor of Science in Computer Science

Las Vegas, NV

May 2020

- Learned problem-solving methods, algorithm development, and data structures in C++.

SIDE PROJECTS

TESLA SOLAR POST-PTO TOOL

- Created a tool for the Post-PTO team that automatically generates replacement parts for solar PV and inverter.
- JavaScript, HTML5 & CSS3, Bootstrap5, and Microsoft SQL were utilized to create this tool.

BILL SPLITTER

- Created a tool for friends in cases of itemizing restaurant checks to make calculation and payment more efficient among the group.
- Link to the web app: <https://jpaguirre15.github.io/split-calculation/index.html>