**Pedro C. Zavala**

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**OBJECTIVE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

To obtain a full time position in a Computer Science related field.

**EDUCATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**University of Houston -** B.S. Computer Science, Minor: Mathematics May 2017

**GPA**: 3.43

**Courses taken include:**

• Algorithms and Data Structures • Computer Organization and Programming

• Computer Architecture • Automata and Computability

**SKILLS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

• Programming Languages: C++/C#, JAVA, MIPS Assembly

• UML Modeling/Blueprint Reading – Ability to efficiently organize/design blueprints according to client demands.

• Web Development – Committed to always finding the easiest and most aesthetically pleasing interface for the user.

• Many-to-Many / One-to-Many, ERD modeling

• Bilingual: English, Spanish

**EXPERIENCE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Automotive Electrician** June 2010 – May 2016

• Extensive programming/updating of iDataLink, XpressKit, and Axxess modules

• Acquired knowledge on IGN/PTS systems, alarms, immobilizers, GPS, keyless entry, CAN-bus systems

• Inspected electrical systems for optimization and short circuits

• Presented customers with proficient knowledge on products

**PROJECTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Hospital Employee Management –** University of Houston October 2015

**•** Designed a medical software in both C++ and JAVA that would allow the department manager to access

and commit changes to employee’s information while also having access to their patients.

• This project made use of a large data set where I gained C++, JAVA, and database skills.

**University Payroll –** University of Houston January 2016

• Designed a university software in C++ that would allow the financial department to update, store and delete employees while also determining their salary based on work hours and position.

• From this project, I gained UML and MVC modeling knowledge.

**Online Store Database –** University of Houston September 2016

**•** SQL based database that linked all instances of customers, orders, products, order lines etc.

**•** ERD modeling was used to create the blueprint of the data.