

Jaime Iturriaga

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EDUCATION

Bachelor of Applied Science, University of Toronto (2013-Present)

Department of Electrical and Computer Engineering (3rd year)

Relevant Courses: Engineering Strategies and Practice I&II, Computer Fundamentals, Programming Fundamentals, Algorithms & Data Structures, Communication & Design, Computer Organization, Operating Systems, Computer Security, Computer Networks, Intro to Databases, Software Engineering, Multidisciplinary Capstone Project

TECHNICAL SKILLS

- Experienced Languages: C/C++, Python, Assembly, Verilog, MatLab, Ruby/RoR
- Familiar Languages: Java, C#, JavaScript (node.js, react), HTML/CSS
- Databases: SQLite, PostgreSQL
- Operating Systems: Linux, Windows

EXPERIENCE

January 2015 – April 2015

Project Leader: Communication & Design, U of T

- Collaborated with three other students to design traffic mapping system for a software design course
- Developed the user experience and GUI for the mapping system in C++ using OpenGL
- Organized team meetings and lead discussions to keep objective goals clear

EXPERIENCE (CONT.)

Team Member: Computer Organization, U of T 2014-2015

- Cooperated with another student to design a Lego tank controlled by a PlayStation 2 controller for an assembly design course
- Researched and developed a system for decoding the PlayStation-2 bit stream by reading the output pins of the controller
- Documented reports explaining how the program works and how it was developed
- Conducted bi-weekly labs where assembly skills were applied to solve various tasks

Team Member: Digital Systems, U of T 2014-2015

- Worked with another student to design a playable keyboard in Verilog for a HDL design course
- Conducted bi-weekly labs where various concepts from class were demonstrated and experimented on
- Studied signal processing to replicate various notes for the keyboard

Sole Member: Personal Web server 2017+

- Self-started web server with purpose to learn and understand the systems behind web development
- Created milestones to help keep development on track
- Developed both front end and back end of web server
- Developed Webchat app in tandem with server

Team Member: Job Posting Application, U of T 2017

- Worked with a group of 5 to develop a job posting application using Ruby on Rails
- Utilized the Agile model as well as BDD and the MVC framework to develop the application
- Implemented various features, such as payment processing, user authentication, and simple JQuery scripts, as well as other smaller features
- Worked with several APIs including Amazon Web Services and PayPal Adaptive Payments
- Worked extensively on bug fixes and creating tests for the codebase

EXPERIENCE (CONT.)

Team Member: Packing Strip Dispenser, Comtek Advanced Structures 2017-2018

- Worked with a group of 4 to develop an Automatic Packing Strip Dispenser for Comtek Advanced Structures
 - Packing Strips are used by Comtek to act as a dampener and seal for the floor panels of their planes
- Developed 2 applications for Comtek, one to extract information from their existing 2D CAD files, and the other to interact with their existing technician controlled software and send information to our physical packing strip dispenser
- Currently developing codebase for the PLC to be used in the packing strip dispenser
- Worked with members of other disciplines, including Material Engineering and Mechanical Engineering
- Discussed design outside of the software side, including the design of the packing strip dispenser itself
- Wrote various project documents, including a Project Requirements and Design Proposal
- Discussed design decisions with Comtek representatives both in person and via phone

INTERESTS/HOBBIES

- Hobbies include PC building, model crafting, puzzle solving, and reading
- Interests include programming, circuits, mathematics, and learning