

Parker Drouillard

SOFTWARE ENGINEER • COMPUTER SCIENCE STUDENT

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Experience

Pep Corporation

CEO / Owner / Founder

Windsor, ON
2016 - Present

- Founder of Pep Corp., an innovative **Tech startup** focusing on **automation** in 3D Printing. Servicing over 10 countries and **supplier** of parts for the **Automotive** and **Healthcare** sectors, we continue to grow, and have manufactured over 110 000 parts.
- Leading my team of **three developers**, as well as a **research team** comprised of two professors, two students, and a recent PHD graduate as our project manager, I personally cover a range of daily duties.
- Currently launching a series of web platforms specialized to our industry, as well as a new system for automatic quotation and order placement. High degree of skills in **Team Management**, **front-end** development, **back-end** development, and **agile project management**.

Aalbers Tool & Mold Inc.

Component Library Manager

OldCastle, ON
2016 - 2017

- Tasked with the **design** and **implementation** of a new component library. New system was to integrate with the previously existing system & was slowly transitioned to after launch.
- I was quickly able to adapt to the existing industry standards, and developed a plan for drastic **efficiency increases** for processes in both our **Engineering** department and **Manufacturing** facilities.
- **Iterative design** process, beginning with meeting with some of the 300+ shop floor employees in two of three locations, to discuss actual deficiencies with the current designs in use.
- After launch of the systems designed using **CAD** program TopSolid, as well as **server side systems** aimed at automation of our BOM system, the system is still in use by a team of over 30 Tool and Die engineers.

Education

Bachelors Computer Science [Honors] (With Specialization in Artificial Intelligence)

University of Windsor

2016 - Present

Honors

- 2016 **Entrance Scholarship Recipient**,
University of Windsor
- 2011-
2015 **Honor Roll**
St. Thomas of Villanova Highschool
- 2012 **Youth in Philanthropy Award**
National Philanthropy Day, Association of Fundraising Professionals
- 2012 **Honorary Citizen Award**
Mayor Ken Antaya, Town of LaSalle

Projects

SQUAIMS:

Smart Quotation and Inventory Management System

- Squaims is a new way of handling quotations and inventory. Developed by a team of **three developers** including myself, and directed by myself, it is currently still under development and will launch soon.
- Developed with **Django**, and fully hosted on **Google Cloud Platform**, the system is a fully functioning web application which will be expanded to additional services in the future. Our backend has been developed using **Python**, and initial mockups of the system were implemented in **HTML**, **CSS**, and **Javascript**. Using **MySQL 2nd Gen**, scalability and reliability were our main focus.

Wingbot:

Web profile scraper designed for Delta Hacks

- Developed **front-end** and **implementation** for the **Python** based system. The system utilized **IBM's Watson API** for speech interpretation to determine emotions present in a user's previous tweets.
- Interfaced with the **Twitter** API for retrieval of account information, scrubbed input data and stored for processing as **JSON** files. System was **working** at the end of the 24hour hackathon.

Extracurricular

Enactus Windsor

Vice-President of Marketing & Technology

Windsor, ON
2016 - 2018

- In charge of coordinating a team of 19 other students, duties including video editing, promotions, public relations, **Web Development** and **Maintenance**, **product development**, project development, production direction and more. Starting as a mentor, I quickly climbed the ranks to becoming a Vice-President.

First Robotics

Alumni, Mentor, and Volunteer

Windsor, ON
2016 - Present

- Helping found our team, Villanova Wired Cats, during my senior year in highschool, we built a robot from scratch and programmed it, all during the short build season. As **Director of Design**, I helped our team develop and plan the implementation of our entire robot.
- Having won the **Rookie Allstar Award** at the regional level, our team had the honor of advancing to compete in the **World Champoinship** in St. Louis Missouri, where I was part of the unloading crew, drive team, and pit crew. Being involved in First Robotics was a life changing experience, and I am glad I can continue to give back by volunteering as a mentor and helper at several of their events.

Skills and Interests

- Most experience in programming languages **C**, **Java**, **Javascript**, **CSS**, **HTML**, and am continually learning **Python** as well as several other languages.
- Come from a family with significant background in **supply chain optimization**. Finding flaws in systems overlooked by other individuals comes naturally to me. I find great reward in taking a challenging system which previously existed and implementing new systems to improve efficiency.