

Julian Pettit

Summary of Qualifications

- Object oriented programming using C++, Ruby, Java
- Scripting using Python, PyMite
- Web Development using JavaScript, React, Redux, Ruby on Rails
- Drafting using AutoCAD, SolidWorks, CATIA
- Workflow management through scrum, agile techniques
- Communications protocol management using REST APIs

Technical Experience

Web Developer at Innovasium Digital (2016)

- Created large sections of a CMS web app to allow companies to manage their internal workflows, including data sharing, presentations, content management and ordering, and support
- Used full-stack development techniques to create an invoicing form from the ground up, applying Ruby on Rails and PostgreSQL for backend and React, Redux, and Node.js for frontend
- Stylized existing projects with CSS, LESS, Sass, and HTML to fit customer requests
- Worked on R&D projects and specific client requests with variable time schedules and expectations

BoardBoss Tabletop Game Robot (2015)

- Designed and implemented the chassis and sensors for a static robot capable of setting and playing a game of checkers
- Drafted multiple iterations of the design using AutoCAD to resolve specific criteria while maintaining the core constraints of the project
- Fabricated a robust final design using the student machine shop lathe, drill press, and milling machine

Leadership Experience

Academic representative (2015 – 2016)

- Chosen by peers twice consecutively to act as a liaison between students and professors regarding class academics
- Resolved timetable conflicts, TA accessibility issues, exam petitions, and performance expectations

Student Council Leadership Head and Committee (2011 – 2015)

- Nominated to serve as the ambassador for all leadership-related activities across several student teams and clubs
- Organized and executed over 10 leadership camps and retreats to develop team-building and character-developing skills for high school students

Contact

Phone: 519 635 9415

Email: jspettit@uwaterloo.ca

Web: jpettit.ca

Education

Candidate for Bachelor of Applied Science in Mechatronics Engineering

University of Waterloo

(2015 – 2020)

Ontario Secondary School Diploma

Port Perry High School

(2011 – 2015)

Awards

University of Waterloo

President's Scholarship (2015)

Ontario Power Generation

Award (2015)

Shearer Memorial Award (2015)

Volunteering

Trinity United Church Food Drive (2014 – 2016)

Mathematics and Language Tutor (2012 – 2015)

Louis Riel Day Métis

Ambassador (2012 – 2014)

Languages

English: Native language fluency

French: Full professional proficiency

German: Professional working proficiency