

NATHANIEL WONG

COMPUTER ENGINEER

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WORK EXPERIENCE

Canada Post

Process Engineering Intern May 2015 - August 2015

- ❖ Implemented the file migration of all AutoCAD drawings from shared network drives to Solidworks Enterprise PDM.
- ❖ Travelled independently across Canada and taught +100 engineers on the use of the software.
- ❖ Designed Lean Six Sigma improvements for various systems in the Canada Post business.
- ❖ Developed a marketing strategy for Canada Post's new FlexDelivery program that targets the student demographic.

City of Ottawa

Park Programmer June 2014 - August 2014

- ❖ Worked at a city park pool as a primary lifeguard.
- ❖ Maintained a safe and enjoyable park.
- ❖ Organised activities for the park patrons.
- ❖ Provided immediate first aid in emergency situations.

Lisgar Collegiate Institute

Student Council Co-President Sept. 2013 - June 2014

- ❖ Managed a team of 34 executives and +50 general members.
- ❖ Organised various fundraisers and spirit events for students and the Ottawa community.
- ❖ Handled a \$10,000 budget.

EDUCATION

Queen's University

Bachelor of Engineering and Applied Science 2014 - 2018

- ❖ Specialization in Computer Engineering.

Lean Six Sigma

Certified Process Management Yellow Belt 2015

Lisgar Collegiate Institute

Ontario Secondary School Diploma 2014

- ❖ High School Extended French Certificate.
- ❖ Ontario Scholar.
- ❖ Lisgar Athletic "L" for extensive contribution to school athletics.

SKILLS

- ❖ Programming: C, C++, HTML, CSS, MatLab.
- ❖ Bilingual in English and French.
- ❖ Proficient in SolidEdge, Microsoft Word, Excel, Powerpoint.
- ❖ Standard First Aid and CPR C certified, with defibrillator training.

PROJECTS

Dating App for the Visually Impaired

- ❖ Designed a dating app accessible to the visually impaired community to build relationships with the non-impaired population and improve quality of living.
- ❖ Completed the economic analysis to make the project financially feasible.

Urban Farm Design

- ❖ Designed an environmentally friendly and economically feasible farm for downtown Vancouver.
- ❖ Researched and analysed previously implemented projects to create an optimal hybrid solution.

Force Analysis of a Wooden Bike

- ❖ Designed and constructed an eco-friendly wooden bike for the Queen's Biomedical Research Group.
- ❖ Created a full SolidEdge model.
- ❖ Conducted an in-depth static force analysis.

EXTRACURRICULAR

Engineering Orientation Leader

- ❖ Worked with a team of other leaders to coordinate engineering orientation week.
- ❖ Further assisted with transition to university life with exam review sessions, organisation of intramural sports and other events.

Other

- ❖ Intramural hockey and dodgeball.
- ❖ Queen's Recreational Sailing Club.
- ❖ Queen's Consulting Association member.