

Luke Pritchard

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EDUCATION

MCMASTER UNIVERISTY

BACHELOR OF ENGINEERING

Expected May 2019 | Hamilton, ON
Computer Engineering & Society
Faculty of Engineering

LINKS

Github: github.com/luke-pritch
LinkedIn: [linkedin.com/in/luke-p](https://www.linkedin.com/in/luke-p)

PROJECTS

STOP SPAM

Implemented a spam filter using a Naive Bayes classifier trained on UCI's spambase dataset. Cleaned the dataset and fed it into my classifier. **Python, pandas, scikit-learn**

RPS ROBOT ARM

HackTheNorth

Created a 3D printed robotic arm that utilizes an Arduinio microcontroller and servomotors to compete against humans in the classic game: Rock, Paper Scissors
Arduino, C, Autodesk Inventor

HW IMAGE DECOMPRESSOR

Utilized newly learned skills in digital systems to design a hardware implementation of an image decompressor. **Verilog**

SKILLS

LANGUAGES

Java • C • Python • Bash • SAS
Verilog • Assembly • SQL • LaTeX
HTML • CSS • JavaScript

TECHNOLOGIES/TOOLS

Linux • React • Git
AWS • scikit-learn • Linux

RELEVANT EXPERIENCE

PHASE ONE | CODENIGHTS LEAD

Sep 2016 – Present | Hamilton, ON

- Developed and lead tutorials on programming for McMaster students
- Lead workshops for Hamilton high school students to gain exposure to programming basics such as HTML/CSS, Arduino and Python
- Planned for employer information sessions

ONTARIO ONE CALL | CALL CENTRE AGENT

May 2016 – Sep 2016 | Guelph, ON

- Effectively delivered customer service in a professional and timely manner
- Handled emergencies to immediately dispatch crew members on site
- Resolved conflicts that arose between the caller and agent; effectively preventing escalation

MAC FORMULA ELECTRIC | BATTERY DESIGN TEAM MEMBER

Dec 2015 – Sep 2016 | Hamilton, ON

- Building a sustainable vehicle to compete in races
- Designed safety mechanisms and emergency switches to ensure driver safety
- Collaboration is key to ensure the designs work in the final vehicle build

EXTRA CURRICULARS

ENGINEERING & SOCIETY STUDENT ASSOCIATION | VP GENERAL

Jan 2015 – Sept 2017 | Hamilton, ON

- Organized logistics for annual industry night dinner including room rentals, catering, and employer sponsored alumni presentations
- Disseminated information to Engineering & Society students about upcoming events and "swag" via social media

MCMASTER ENGINEERING SOCIETY | WELCOME WEEK REP

Sep 2016 – May 2017 | Hamilton, ON

- Helped to portray the McMaster Faculty of Engineering as a welcoming home for all incoming first year students
- Connected with students and expressed how best to engage in university life
- Continued commitment to the Engineering community by participating in McMaster events throughout the year

MCMASTER FACULTY OF ENGINEERING | VOLUNTEER

Sept 2014 – Present | Hamilton, ON

- Lead tours for prospective students and their families to inform them of the opportunities available at McMaster
- Hosted information nights for the Electrical & Computer Engineering department