# Tyrone Wong

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## Education

**McGill University**                                        **Fall 2016 – May 2020 (Expected)**
- B.Eng in Electrical Engineering with Minor in Software Engineering

## Experience

**McGill Neurological Institute** - Software Research Assistant          **May 2018 – Aug 2018**
- Initiated and implemented a web platform to host future experiments for the entire lab department
- Saved the research division 1-2 weeks worth of time conducting in-person experimental trials
- **Tools:** NodeJs, Express, MongoDB, AWS, JQuery

**Ericsson** - Software Developer Intern          **Aug 2017 – Dec 2017**
- Developed in Agile team to create web applications used by several Ericsson departments worldwide
- Optimized the loading time of web applications by 70% by refining data fetching algorithms
- Reduced team weekly workload by 2-3 hours with an automation script
- **Tools:** Django (Python), Javascript, Git, Ubuntu, MySQL, LAMP Stack, Agile

## Extracurricular Activities

**Campus Expert -** GitHub          **Sept 2018 - Present**
- Organized technical workshops to help students improve their development skills
- Selected out of 1000 worldwide applicants
- Mentored the Montreal Local Hack Day Hackathon

**Co-Organizer -** CodeJam 2018 Hackathon          **July 2018 - Nov 2018**
- Organized the largest engineering Hackathon at McGill
- Facilitated event logistics and secured venue to host over 200+ participants
- Assisted the team in raising over $16 000+ in sponsorship

## Projects

**Radar**          **Feb 2019-Present**
- Developed a walksafe program that tailors travel routes to avoid dangerous areas
- Implemented the K-Means algorithm to cluster historical crime rate data based on location and time
- **Tools:** Python, Numpy, Pandas, SciKit-Learn

**Mozaic**          **Nov 2018-Dec 2018**
- Launched a python program that reconstructs an image with other photos
- Constructed the image sorting algorithm and oversaw the image rendering process
- **Tools:** Python, OpenCV, Numpy

**FlowNote**          **Sept 2018**
- Created tool aimed at helping students with vocal disabilities by translating sign language into Text
- Assembled using Python with OpenCV and trained on an Azure VM
- **Tools:** Python, OpenCV, Numpy

## Skills

- **Software:** Python, Javascript, Java, Git, MySQL, HTML, CSS