

Yue(Violet) Guo

<https://violetguos.github.io>
violet.guo@mail.utoronto.ca | 416.875.3218

EDUCATION

BASC IN COMPUTER ENGINEERING

Expected May 2018 | Toronto, ON
Minor in Robotics and Mechatronics
Certificate in Engineering Business

LINKS

Github:// [proguorammer](#)
LinkedIn:// [violetyguo](#)
Twitter:// [@violetguos](#)

COURSEWORK

UNDERGRADUATE

Machine Learning*
Artificial Intelligence*
Computer Security*
Algorithm and Data Structure
Computer Networks
Digital Electronics
Signal Processing
(*: in progress)

COURSERA

Data Science Project & R Programming

SKILLS

PROGRAMMING

C++ • C • Assembly • Matlab
• Python • \LaTeX • Git
Familiar:
HTML/CSS • SQL

HACKATHONS

ANGEL HACK '16

Toronto, ON
Doc Now
<http://www.hackathon.io/65602>
Android app that aims to
reduce clinic wait times
Programmed in Java and SQL

UOFT AEROSPACE TEAM

Toronto, ON
Wired an Arduino chip and magnetometer
to measure electromagnet data
Plotted electromagnetic field in C and
MATLAB

EXPERIENCE

SYNAPTIVE MEDICAL | SYSTEMS TEST INTERN

Summer 2017 | Toronto, ON

- Tested and documented a cloud platform for medical imaging repository
- Collaborated with web developers to develop test cases, security, and performance specifications
- Summarized results in test reports and JIRA

TECHXPLORE | DIRECTOR OF CREATIVE OPERATIONS

Aug 2016 - April 2017 | Toronto, ON

- Organized 4 workshops for students with no technical background to learn programming and other technical skills such as 3D printing
- Increased technical awareness of non-engineering student members (455% increase, 20 in 2015, 111 in 2016)
- Organized a machine learning hackathon for life science students and collaborated with a Toronto start up company

SUNNYBROOK RESEARCH INSTITUTE | RESEARCH STUDENT

Summer 2016 | Toronto, ON

- Assembled a circuit with radiofrequency(RF) generator, EEPROM, and RF ablation wire to test medical devices to meet standard specs
- Programmed Douglas-Peucker Algorithm in MATLAB to analyze RF ablation data and circuit parameters
- Presented research to both senior scientists and fifth graders

COURSERA DATA SCIENCE PROJECT | COURSERA CERTIFICATION

May 2015 - July 2015

- Developed a web application to map world renewable energy generation
- Utilized googleVis and R to illustrate a large data set of 219 countries with an interactive map

TALKS & OUTREACH

TELL IT TO A FIFTH GRADER | PRESENTER

August 2016 | Toronto, ON

- Presented my research in layman's terms to a small group of fifth graders at Sunnybrook's first science outreach
- Top 10 finalists among all summer research interns

SOCIETIES

ENGINEERING SOCIETY | SKULE'S GOT TALENT & WELLNESS GROUP

Oct 2016 - May 2017 | University of Toronto

- Promoted engineering's annual talent show
- Monitored social media presence on Facebook and Instagram
- Distributed posters and organized logistics of the events
- Programmed Wellness Group's **online handbook** using bootstrap and HTML/CSS