

Matthew Green

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SUMMARY

As an engineering physics graduate from Queen's University, I am now continuing to pursue my interest in aeronautics and solving complex problems by pursuing a Masters in Engineering degree at the University of Toronto. I am a passionate learner across various topics and enjoy being in situations that expand my skills. In my spare time, I read fiction, try to learn new things, and keep fit.

EDUCATION

BASc Engineering Physics, *Queen's University, Kingston*, GPA: 3.65, *Excellence Scholarship* (2017)
Meng Aerospace Science & Engineering, University of Toronto, *Toronto*, Degree Anticipated 2022

RELATED WORK EXPERIENCE

Project Manager, *Queen's Faculty of Applied Science & Engineering, Kingston* | 2020-2021

- Lead teams of first-year students in an engineering design course
- Mark submitted work and give verbal and written feedback to teams and individuals
- Monitor team dynamics to improve efficiency and moderate teams progress

Research and Outreach Fellow, *Arthur B. McDonald Institute, Kingston* | 2020

- Researched Properties of Galactic collisions and Gaia Sausage
- Developed code to simulate galaxy collisions using GalactICS and Gadget
- Ran McDonald Institute Summer of Science Program instructing Grade 7-11 students

Teaching Assistant, *Queen's Faculty of Applied Science & Engineering, Kingston* | 2018-2019

- Assisted students to develop code for first-year computer programming course
- Introduced first-year students to the basics of programming in C
- Developed students understanding of MATLAB using Arduino for practical application

Research and Development Assistant, *Miya Technologies, Ramat Gan, Tel Aviv* | 2019

- Researched components to create BOM's to reverse engineer complex systems
- Cataloged needed components and requested quotes for those necessary for new products
- Designed system for using pixel measurements to calculate the thickness of material coatings

OTHER WORK EXPERIENCE:

Orientation Leader, *Queen's Faculty of Applied Science & Engineering, Kingston* | 2018

- Coordinated and guided thirty first-year engineering students during the orientation period
- Mentored students in first-year by helping with academic and social challenges of university

Carpenter's Assistant, *Gary Best & Sons, Dwight, Ontario* | 2019

- Assisted in constructing decks and home renovations

Swim Instructor & Lifeguard, *Bayview Glen Day Camp, Toronto* | 2018,

Camp Winnebago, Muskoka | 2016-2017, *Davina's Swim School, Toronto* | 2015-2017

- Supervised swim students and taught students from ages 6 to 14 years.
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PROFICIENCIES:

- Microsoft Word, Excel, Teams, PowerPoint, LaTeX, Zoom
 - OrCAD, LabVIEW, Simulink, GalactICS, Gadget
 - Python, MATLAB, C, Linux OS (Ubuntu)
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EXTRACURRICULAR ACTIVITIES:

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| ▪ Sci 21' AMS representative | 2020-2021 |
| ▪ QRET Queen's Rocket engineering team, <i>Queen's University</i> | 2019-2020 |
| ▪ Intramural soccer & hockey teams, <i>Queen's University</i> | 2017-2020 |