SHESHANK SURESH

ELECTRICAL ENGINEERING

PROFILE

Second year Electrical Engineering Co-op Student at McMaster University pursuing a minor in Computer Science

CONTACT

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SKILLS

PYTHON

JAVA

C/C++

OTHER

GIT	SQL
HTML5	CSS3
LINUX/UNIX	GIT

HACKATHONS

StarterHacks 2019 — University of Waterloo

DeltaHacks 2019 — McMaster University

Google Cloud Hackathon — Google Toronto

EDUCATION

McMaster University, B. Elec. Eng.
September 2018 – May 2022 (Expected)

- Awarded **McMaster Entrance Scholarship** for an admission average above 90%

WORK EXPERIENCE

Software Engineer — Royal Bank of Canada
May 2019 – August 2019

- Designed GUI components to simplify FTP and SFTP while maintaining active logs on sequences and processes
- Collaborated and lead a team of 4 participants to automate data collection and analysis of file transfers to cloud and UNIX applications
- Utilized machine learning models to develop an accurate cost estimation for project resources using Python

PERSONAL PROJECTS

Arduino Water Level Indicator

- Designed and programmed a simple device to alert the user of water tank levels to prevent overflow using basic level C/C++ and open source code on Arduino IDE
- Minimized water refill costs and water wastage by 10% through effective implemenation of device

LEGO Mindstorms EV3 Robot

- Built a robot using LEGO Mindstorms EV3 parts to assist children admitted in hospitals cope with stress and pressures of medications and programmed using Java
- Robot could perform small tasks such as play minigames and follow the user using an infrared sensor

EXTRACURRICULAR ACTIVITIES

McMaster Global Engineering Brigades Volunteer
September 2018 – May 2019

- Selected as one of 25 volunteers to represent McMaster University on an annual volunteer opportunity to implement clean water systems in Honduras
- Design and plan the construction of clean water systems through knowledge of fluid mechanics and structures
- Cultivate strong teamwork and interpersonal skills while interacting with team members, volunteers from across the world and local community

Engineers Without Borders General Member
September 2018 – May 2019

- Develop communication skills by discussing real-world engineering issues and United Nations sustainability goals to further human development
- Engineer solutions for current first world problems to build analytical and logical thinking skills
- Participate in community fundraisers to promote positive global citizenship