

Ryan Fabek

Future Engineer and Innovator



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/ryan-fabek

WORK EXPERIENCE

Independent Contractor

Hygrid Solutions

September 2019 – Present

- Working under senior electrical engineer to design solutions and standards for electrical utilities, communication companies and developers
- Utilizing AutoCAD 2D and 3D tools to implement engineering solutions while adhering to applicable standards and regulations
- Performed circuit and load analysis to ensure ESA and utility compliance

Full Stack Developer/Research Assistant

Communication Research Centre Canada (CRC)

September 2020 – December 2020

- Assisted software developers/researchers to develop web based application prototype for managing spectrum licences
- Designed and developed front end of web application utilizing Adobe XD, React, HTML/CSS
- Developed back end CRUD functionality utilizing Flask

Telecom Engineer (Co-op)

Royal Canadian Mounted Police (RCMP)

January 2020 – April 2020

- Working with telecommunication engineers and developers to evaluate existing lawful telecom intercept solutions with upcoming telecommunication technologies
- Developed networking software in Linux environment by utilizing Python and C/C++
- Obtained top secret security clearance

Senior Technical Student

Odandetech Consulting Engineers

May 2019 – August 2019

- Worked under senior electrical engineer to design solutions and standards for electrical utilities, communication companies and developers
- Utilized AutoCAD 2D and 3D tools to implement engineering solutions while adhering to applicable standards and regulations
- Implemented a Unit Price Management System (UPCMS), increasing ease of compiling estimates for clients. Utilized Python, PYQT5 and SQLite3

EDUCATION

Bachelor of Electrical Engineering

University of Ottawa

- Entrance Scholarship

SKILLS

Software/Tools

- AutoCAD
- PyCharm
- MATLAB
- Quartus II

Programming Languages

- Assembly
- Python
- C++
- HTML/CSS/Javascript
- SQLite3

Frameworks

- PYQT5
- React
- Flask

INTERESTS

Tennis, Badminton, Cooking, Toastmasters International