

**ALEXANDRE
GRANZER-GUAY**

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PROFILE

4th year B.A.Sc. in Electrical Engineering with a strong interest in Full Stack Software Development, Data Analytics, and Machine Learning. Avid Python user for any Machine Learning/Deep Learning task. Leader with strong capabilities of generating innovative ideas, by acquiring new knowledge and solving problems efficiently and creatively.

EDUCATION

Bachelor of Applied Science in Electrical Engineering 2014- 2019
Major: Electrical Engineering with 12 months Internship Experience (Anticipated date of graduation)
Queen's University

Baccalauréat Série Scientifique (with honours) May 2014
Specialty: Mathematics
Lycée Claudel

TECHNICAL SKILLS

Programming languages:

Knowledge of C/C++, Python, Java, Javascript, and databases languages
Experience with Data Analytics and Machine Learning packages/languages – R, MATLAB, TensorFlow, Keras, Torch, Theano, SPSS, RapidMiner
Experience with VHDL and Assembly
Ability to quickly pick-up new computer programming languages and packages

Relevant Engineering Faculty Programming Courses: Introduction to computing programming for engineers, Fundamentals of Information Structures

WORK EXPERIENCE

Embedded Systems Developer – Wigner Research Centre 2018

- Developed VHDL logic and simulation for the communication component of the SpaceWire board to be used in the Jupiter Icy Moons Explorer
- Wrote ESA-compliant documentation for various components
- Worked independently and delivered results that surpassed expectations

Software Developer Intern – Centre for Advanced Computing

2017 – 2018

- Developed proof-of-concept and production software under short deadlines
- Demonstrated strong teamwork skills through clear communication, unique interpersonal skills and leadership
- Cultivated and maintained strong business relationships with various clients
- Hired and trained new team members through documentation, tutorials and hands-on lessons
- Developed applications using various languages based on the application's needs. Capable of quickly learning and applying unfamiliar languages
- Advanced skills with ReactJS/Redux and NodeJS

Teacher Assistant – Digital Systems

2016

- Helped students understand and navigate the VHDL Software while applying course knowledge
- Had valuable course-related knowledge to effectively teach concepts and convey ideas to students

PROJECTS

PySyft – Open-source

2018 - Active

- Contributed by writing code, documentation and fixing various bugs
- Development done in Python

Visit www.alexandregranzerguay.com to learn about all my current projects
Fluent in French, English and Conversational in Spanish