

# Steven Peters

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## Profile

- Electrical engineering graduate with experience in digital signal processing, image processing, FPGAs, MATLAB and object-oriented programming languages such as C++ and Java.
- Proficiency in circuit analysis, design and simulation.
- Experience with agile programming in developing Android application
- Possess great leadership skills acquired through managing team projects
- Student leader and VP Finance for 2 consecutive years
- Bilingual FR/EN

## Education

**Bachelor of Engineering, Electrical** 2018

*Concordia University, Montréal, QC*

Courses: C++, Computer Organization and software, Digital Signal Processing, Digital Electronics, VHDL and Digital Design, Circuit Theory, Digital Communications

**College Diploma in Pure and Applied Science** 2012

*Vanier College, Montréal, QC*

## Technical Skills

**Programming Languages:** C++, Assembly, VHDL **Self-taught:** Java, Python, SQL, HTML, CSS

**Software Packages:** MS Office Suite, Eclipse, Android Studio, Git, PSPICE, MATLAB, KiCad, Visual Studio, ModelSim, Precision RTL, Xilinx ISE

**Operating Systems:** Windows, Linux

## Projects

**Banking System (<https://github.com/skp17/BankingSystem>)** 2019

- Developed a Linux command line C++ program that simulates a banking system
- Used Doxygen to produce documentation and UML diagrams
- Used Boost libraries for data storage and unit testing, and CMAKE to generate makefiles

**Electronic travel aid for visually impaired persons, (Team of 4)** 2016

- Designed an electronic system using ultrasonic transducers that detected obstacles 1.5 meters ahead of user and was able to notify the obstacle's exact location
- Defined specifications and ensured compliance through design
- Implemented the software on a Atmega microcontroller needed to run the System
- Conducted design reviews with project stakeholders
- Managed project spending and reimbursements, and produced the bill of materials
- Acquired all necessary resources such as financing and office space for the team, and ensured the project was ahead of schedule
- Coordinated communications with externals

**Android Application for outdoorsmen, (Team of 4), (SCRUM Framework)** 2015

- Designed an App using Android Studio that processes temperature, pressure, humidity and altitude measured via a Texas Instrument CC2541 Bluetooth SensorTag
- Implemented a SQLite database to store trip information, packing list and journal entries
- Implemented a fitness tracker that processes distance travelled, average speed and calories burnt

**Extracurricular Activities**

**VP Finance** 2014-2016

*Sustainable Engineering Concordia, Montréal, QC*

- Managed the organization's Finances which was about \$1700
- Developed budget, acquired project funding through grant applications, managed spending and reimbursements
- Recruited and trained 4 members in roles such as finance and management
- Continued consulting on budget and management after my departure

**Work Experience**

**Warehouse worker** 2018-2019

*Just4games Inc., Montréal QC*

- Fulfilled customer orders, load/unload trucks, trained new employees

**Call Agent** 2014

*Service Center for Clients and St-Hubert Rotisseries, Montréal, QC*

- Handled over 60 calls a day from clients in Quebec, Ontario and New Brunswick; Took orders, answered questions and responded to complaints from clients

**Volunteer Experience**

**Organization Volunteer**

*Local community organization, Montréal, QC* 2016 - present

- Managed the organization's social media and help managed special events

**Committee member** 2019 - present

*Gina Cody School of Engineering alumni chapter, Montréal, QC*

- Helped organize events for Concordia students and alumni
- Collected feedback from event attendees in order to improve services
- Promoted and market events

**Career Fair Volunteer** 2019

*Concordia University Career Fairs, Montréal, QC*

- Helped employers set-up Wi-Fi as well as company banners and various materials
- Provided support, and responded to enquiries by students and employers
- Collaborated with university staff and security to manage line ups of 700 students
- Requested feedback from employers in order to make improvements to the fair