

Dominik Schmidtlein

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<http://dominikschmidtlein.github.io/>

EDUCATION

**Bachelor of Engineering, Computer Systems Minor in Business,
Co-op Option**

September 2013 - Present

Carleton University, Ottawa, Ontario

- Dante Laurenzio Memorial Scholarship 2014/2015
- Second Year, CGPA 11.93/12.0, A+
- E. W. R. Steacie Scholarship
- NSERC Undergraduate Student Research Award
- Due to Graduate May 2018

AVAILABILITY

Available for 4 to 8 months beginning May 2015

RELEVANT SKILLS, EXPERIENCES AND ACCOMPLISHMENTS

Technical Skills

- Applied course and self taught Java in the Android Software Development Kit in order to program “Dance Dance” game for fingers on Android devices
- Used Python in Wing IDE for image manipulation in order to develop several filters including: removes grey or yellow tint experienced while scanning documents such that images merge flawlessly with documents on white paper
- Tested broker software – by writing Linux shell scripts in Vim – for Carleton professor as part of research position in order to give feedback and improve software for market
- Simplified complex board game into logical parts in order to create object oriented Java game, Othello/Reversi, for 1 or 2 players; use of encapsulation of objects during programming lead to the reuse of code for TicTacToe game
- Programmed assembly code for Libra processor including stack manipulation, flag interpretation and register managing in order to understand how the Libra 086 processor works
- Studied online resources – including Youtube videos – for knowledge on Github and website building in order to design personal HTML and CSS based website
- Proficient in Java, Python, C, PHP, Turing, XML, Assembler, HTML, CSS, Git/Github, Eclipse, MS Office, MATLAB

Communications Skills

- Wrote technical report and gave PPT presentations analyzing the functionality of resource provisioning software in order to communicate areas for improvement to software design team; topic of focus during 4 month research position with Carleton University professor
- Acted as group leader for reverse engineering project in order to coordinate punctual and quality work for each section of the project
- Managed energetic parents, coaches and children in order to maintain safe environment for hockey and soccer players while working as referee
- Fluent in English, French, German

WORK EXPERIENCE

NSERC Student Research Assistant

May 2014 – August 2014

Carleton University, Ottawa, Ontario

- Analyzed the change in profit associated with modifying the market conditions and software settings – increased/decreased demand and predicting changes in demand respectively – in order to pinpoint ideal markets and need for changes
- Scheduled, prepared and punctually attended weekly meetings with supervising professor in order to evaluate work completed and to set new goals for following week

VOLUNTEER EXPERIENCE

RBC Bluesfest Volunteer

Summer 2013 and 2014

RBC Bluesfest, Ottawa, Ontario

- Fulfilled fellow Bluesfest volunteer's food related wishes in order to create a rejuvenating environment for dedicated, selfless, individuals
- Coordinated sub-tasks for team members to create clean and healthy volunteer tents

EXTRA-CURRICULAR ACTIVITIES

President of Software and Computer Systems Engineering Society

May 2014 – Present

- Organize meetings between society members in order to decide on projects to take on as a team