

Matthew Schmitz

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1A Systems Design Engineering
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SKILLS AND QUALIFICATIONS

- Experience with Raspberry Pi and AVR-based microcontrollers such as the Arduino UNO
- Advancing proficiency with C++ through Digital Computation course in 1A term
- Seven years' experience with Microsoft Windows, Excel, Word, and PowerPoint
- Four years' experience in a recognized leadership position, captaining several ice hockey teams
- Exceptional time management skills, team oriented, perfectionist, and a passionate learner

PERSONAL PROJECTS

- Crafted a retro gaming arcade system to emulate a variety of classic gaming systems, most notably the NES, SNES, Nintendo 64, Atari 2200, and Sega Genesis, with a Raspberry Pi single-board computer
- Conducted an investigation of top NBA draft picks, analyzing career statistics and achievements using Microsoft Excel and statistical methods such as linear regression and standard deviation in an attempt to determine if first overall picks are overrated in today's NBA
- Developed a personal website with the help of online website building applications

EDUCATION

Waterloo Collegiate Institute, Waterloo, Ontario

September 2012 – June 2016

Academic Achievement

- Achieved a graduating academic average of 99%, the highest amongst students at WCI, while simultaneously managing the varsity girls' soccer team, playing on a Waterloo Minor Hockey team, and playing for the WCI varsity boys' ice hockey team

Awards and Recognition

- Received the Waterloo Collegiate Institute Viking CEO Award, awarded annually to a graduating student displaying passion, creativity, and continued excellence toward business studies
- Received the Waterloo Minor Hockey Post-Secondary Entrance Scholarship for making a positive impact on friends, teammates, and peers, as well as outstanding contributions to the community
- Awarded the University of Waterloo President's Scholarship and the Waterloo County Entrance Scholarship

WORK AND VOLUNTEER EXPERIENCE

Tutor, Self Employed

September 2015 – Present

- Guided younger students and classmates in an array of subjects by formulating thoughtful teaching methods such as analogical explanations and diagram based walkthroughs
- Devised specific lesson plans tailored to the strengths, weaknesses, and learning styles of each student to enhance the overall learning experience

Event Coordinator and Volunteer, WHIPYIT Ride for Youth (Volunteer)

September 2015

- Co-orchestrated the first annual *With Hope It's Possible: Youth In Transition Ride for Youth*, a charity bike ride, focusing on promoting the event and assisting with registration to ensure fundraising goals were met

Ice Hockey Instructor, Various (Volunteer)

June 2013 – September 2015

- Conceived new drills tailored specifically to the needs of different groups of inexperienced players, and conveyed them utilizing effective communication skills to elicit the attention of a young audience

INTERESTS AND HOBBIES

- "Curiosity conversations", photography, hiking, basketball, and ice hockey