

Connor Smith

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EDUCATION

UNIVERSITY OF WATERLOO

Bachelor of Applied Science
in Mechatronics Engineering
Sept 2010 - May 2015
Waterloo, Canada

COURSEWORK

UNDERGRADUATE

Autonomous Mobile Robotics
Numerical Control of Machine Tools
Multivariable Control Systems
Design for Manufacturing
Conflict Resolution

SKILLS

SOFTWARE

Core Competencies:

C++ • Python • ROS

Linux • git • vim

Prior Experience:

OpenCV • MATLAB • L^AT_EX

Google App Engine

MECHANICAL

SolidWorks • OnShape

Manufacturing Processes

DFM • DFA

SCM • Prototyping

INTERESTS

Urban Sketching: [Portfolio Sample](#)

Cycling: [Strava](#)

Reading: [Goodreads](#)

Craft Beer [Untappd](#)

Japanese: JLPT N3 Certification

Acoustic Guitar

Bouldering

EXPERIENCE

MAGAZINO GBMH | Mechatronics Engineer

Apr 2018 - Present | Munich, Germany

- Mechanical design of autonomous mobile logistics robots
- Development of software infrastructure to enable modular operation, including retrofits and customizable components
- Coordination between hardware and software development teams

RAPYUTA ROBOTICS | Mechatronics Engineer

Jul 2017 - Feb 2018 | Tokyo, Japan

- Mechanical design of quadrotor drone and docking station
- Supply chain management, including a trip to China
- Optimized workflow by introducing CAD version control system

RAPYUTA ROBOTICS | Robotic Software Developer

May 2015 - Jul 2017 | Tokyo, Japan

- As team lead, successfully delivered autonomous landing feature
- Developed and presented technical demonstrations for clients
- Full-stack developer - multivariable controls to computer vision

THALMIC LABS | Machine Learning Intern

May 2014 - Aug 2014 | Waterloo, Canada

- Worked on software for Myo gesture recognition armband
- Created internal tools for analyzing algorithm performance

SUTD | Autonomous Vehicles Research Assistant

Sept 2013 - Dec 2013 | Singapore, Singapore

- Developed real-time mass estimation algorithm for electric vehicles
- Conducted real world tests using Mitsubishi iMiEV and Toyota Prius

UNIVERSITY OF WATERLOO | Research Assistant

Jan 2013 - Apr 2013 | Waterloo, Canada

- Worked at the Center for Theoretical Neuroscience
- Researched symbolic representation in high dimensional vector spaces
- Implemented reinforcement learning algorithms simulating rat behaviour

RESEARCH IN MOTION | Digital Signal Processing Intern

May 2012 - Aug 2012 | Waterloo, Canada

- Evaluated 2G/3G signal processing algorithms against 3GPP standard
- Refactored and optimized various signal processing functions in C

P&P OPTICA INC. | Junior Design Engineer

Sept 2011 - Dec 2011 | Waterloo, Canada

- Created parts, assemblies and technical drawings for spectrometers
- Worked in Class 1000 cleanroom environment