

# Connor Smith

+49.172.271.3549 | [connor@conthetron.com](mailto:connor@conthetron.com)

## 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

### LANGUAGES

German: Working competency  
Japanese: JLPT N3 Certification

### SOFTWARE

C++ • Python  
MATLAB • ROS

### MECHATRONICS

Prototyping and Testing  
CAD (SolidWorks)  
DFM • DFA  
Sensor and Actuator Selection  
Electromechanical Integration  
Lathe and Mill Operation

## INTERESTS

Acoustic Guitar  
Board Games  
Bouldering  
Craft Beer  
Cycling  
Sci-Fi & Fantasy  
Urban Sketching

## PROFESSIONAL EXPERIENCE

### MAGAZINO GBMH | Mechatronics Engineer

Apr 2018 - Present | Munich, Germany

- Mechanical design of autonomous mobile logistics robots
- Responsible for multi-axis suction array based manipulator, including sensor selection and electrical integration
- Development of software infrastructure to enable modular operation, including retrofits and customizable components
- Multi-team coordination for prototype testing and evaluation in situ
- Vacation stand-in for hardware team lead, including syncing with C-level, sprint planning and supporting agile workflow

### RAPYUTA ROBOTICS | Mechatronics Engineer

May 2015 - Feb 2018 | Tokyo, Japan

- Mechanical design of quadrotor drone and docking station
- Supply chain management, including a trip to China
- 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

- 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

### P&P OPTICA INC. | Junior Design Engineer

Sept 2011 - Dec 2011 | Waterloo, Canada

- Created parts, assemblies and technical drawings for spectrometers