Systems Design Engineering
Class of 2018

JARED ▲ BARIBEAU

University of Waterloo | Ontario, Canada ⬥ CAD & DEU Citizen

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Skills

Software
Java/Ruby/C++/C/Matlab
Rails/Node.js/Bootstrap
HTML5/CSS3/Sass
SQL/MongoDB

Design
UI/UX Design
User-Centered Design
Sketches/Wireframes/Mockups
Photoshop/Sketch.app

Hardware
PCB Design
Diptrace/Altium
Signal Processing
Oscilloscope/Soldering

Mechanical
Solidworks/AutoCAD
Pneumatics
Motors/Actuators
Sensors/Control Systems
Machining/Manufacturing

Education

University of Waterloo
3A Systems Design Engineering '18
Entrepreneurship Option

· CGUC Student Council Executive
· Product Vision Club
· Extramural Hockey
· Intramural Volleyball

Interests

Jr. B Hockey   Guitar
Snowboarding   Elon Musk
Mountain Biking   Music Production
Rock Climbing   Fresh Coffee
Volleyball   Travel

Experience

Software Developer & IT Co-op | Leysin A. School Switzerland   Present
· Leading the planning, build, and launch of a school wide student check-in app
· Building web-app offline functionality to combat poor cell service in the Alps
· Coaching and mentoring high school students in volleyball, math, and coding

Product Designer | Nulogy   2016
· Designed interactive "Data Discovery Dashboards" new major feature
· Championed introduction of a powerful user interaction analytics platform
· Delivered elegant design solutions to highly complex customer problems

Software Developer | TD Bank (Innovation Lab)   2014
· Built Smart Display and Cutsomer Greeting prototypes featured on TD Youtube
· Built tech presented on stage by VP of Technology at TD Innovations Town Hall

Business Development Associate | Shoplogix   2015
· Generated B2B leads and converted them into SaaS product subscribers
· Implemented solo technical deployments for international manufacturing facilities

Electromechanical R&D Co-op | Stein Industries Inc   2014
· Designed, programmed, assembled, and tested embedded systems
· Built high speed rocket fuel injection pressure controller (for BIG rockets)

Mentor, Former Captain | FIRST Robotics Competition   2011-Present
· Lead team of 30 students to compete at the world championships twice
· Nominated for Deans List Award for leadership, passion, and creativity

Director of Technology | CUTC Foundation   2016
Residence Don | Conrad Grebel University College   2015-16
Orientation Week Coordinator | Conrad Grebel University College   2015
Tool and Die Manufacturing Co-op | ArmoTool   2012-13
Mechanical Designer | BOS Automation   2012-13

Projects

Tidbits | Android App (In Progress)   Present
· App to aid with remembering the details of friends' lives and keeping in touch

HappyHeart | Hack@Brown Submission   2015
· iOS/Web App that monitors and visualizes stress triggers based on heart rate
· Finalist overall and won award for best data visualization at Hack@Brown

LiveLocal (Startup) | UI/UX Designer   2015
· Designed iOS application, from sketches through to high fidelity mockups

MyoMote | HackTheNorth Submission   2014
· Wearable universal remote built using Myo, Android, Arduino, BT and IR