

Imran Jameel

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EDUCATION

MCGILL UNIVERSITY

B.ENG, MECHANICAL ENGINEERING

Concentration : Design

Minor : Tech Entrepreneurship

Expected Graduation : May 2018

SKILLS

SOFTWARE

LANGUAGES

C • JavaScript (Node.js) • Python

FRAMEWORKS

AngularJS • Express • Bootstrap

DEV TOOLS

Git • Unix • npm

HARDWARE

Soldering • PCB • Testing

PRODUCT DESIGN

SolidWorks • AutoCAD

EXTRAS

ENTREPRENEURSHIP

SEMI FINALIST

McGill Dobson Cup Start-up
Competition (2014 and 2015)

LEADERSHIP

VP EXTERNAL

Sri Lankan Association at McGill
University (2014/2015)

CAMPUS AMBASSADOR

Canadian Undergraduate Tech
Conference (2015)

TECHNOLOGY PANEL

Harvard Project for Asian and
International Relations (2014)

AWARDS

NSERC

Industrial Undergraduate Student
Research Award

ANGEL HACK

1st Place - Best BCI Project

YHACK, YALE UNIVERSITY

1st Place, Most Innovative IoT Project

WEARHACKS

1st Place, Best Thalmic Myo Project

LINKS

Github:// [imranj131](#)

LinkedIn:// [ijameel](#)

EXPERIENCE

REELYACTIVE | SYSTEMS INTEGRATION ENGINEERING INTERN

May 2015 – Aug 2015 | Montreal, Canada

- Engineered a library in Node.js along with Mocha (TDD) to decode low-power wireless protocol advertising packets.
- Developed and designed a web-app with AngularJS for a live version.
- All code was reviewed and pushed to production.
- Conducted research in low-power wireless transmission protocols such as BLE and RFID submitted a scientific paper to the IEEE World Forum on Internet of Things.

MACES | IT CONSULTANT

Sept 2014 – May 2015 | Montreal, Canada

- Resolve computer-troubleshooting issues for students.
- Maintained IT infrastructure on a regular basis.

3M | PROJECT MANAGEMENT INTERN

July 2014 – Aug 2014 | Colombo, Sri Lanka

- Examined current traffic safety practices and remodeled a system for Class B roads that decreased costs by 10
- Documented a feasibility report on 3M Polycarbonate RPM's for implementation on Class B roads.
- Pitched proposal to 4 representatives from the Road Development Authority.

PROJECTS

AERO-MCGILL DRONES DESIGN TEAM | MECH. ENG. DESIGN LEAD

June 2015 - Present

- Designing a quadcopter with a modular platform to change between surveillance and cargo transport.
- Working towards the 'Unmanned Systems Canada Student Competition'

BRAIN COMPUTER INTERFACE (BCI) | BRAIN SOOTHER

June 2015 | AngelHack, Montreal

- Developed a headband with EEG sensors and a neuromodulator technology to measure and stimulate brain activity using SSVEP.

BIOMETRIC SMARTWEAR | SENSOCK

May 2015 | WearHacks, Toronto

- Fabricated a smart-sock to measure vitals such as heart rate and body temperature, as well as a haptic feedback sensor to page a doctor via a text message.

INTERNET OF THINGS (IOT) | MYOHOMES

October 2014 | YHack, Yale University

- Built a smart-home system with the Intel Galileo microprocessor with added gesture control via a Myo Armband integration.

WEARABLE TECHNOLOGY | MYOMUSIC

September 2014 | WearHacks, Montreal

- Engineered a gesture based virtual musical instrument.
- Presented project and demo at Google (Montreal), WeAreWearables (Toronto), and Tech@D (Montreal).