Imran Jameel

www.imranjameel.com
imran.jameel@mail.mcgill.ca | 514.895.8226

EDUCATION

MCGILL UNIVERSITY
B.Eng, Mechanical Engineering
Concentration : Design
Minor : Tech Entrepreneurship
Expected Graduation : May 2017

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)

AWARDS
Natural Sciences and Engineering Research Council of Canada
Industrial Undergraduate Student Research Award
Hack The Planet, Silicon Valley
1st Place, Best Nest API Integration
YHack, Yale University
1st Place, Most Innovative IoT Project
Angel Hack, Montreal
1st Place - Best BCI Project
WearHacks, Montreal
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 UAV 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) | MyoHome
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).