

ADRIAN WONG

+1 (604)-785-1691 ♦ adrian.wong@ieee.org

www.linkedin.com/in/adriankhwong

PROFILE

- A lifelong learner with grit seeks adventures to develop skills to become a well-rounded engineer
- Leadership skills developed from 7 years of volunteering that resulted in local to international awards
- Worked on diverse projects requiring the following expertise:
 - PCB Development (Altium, KiCad)
 - Hardware Testing (oscilloscope, multimeter)
 - Programming (C, Python)
 - Data Analysis (MATLAB, R, EXCEL)

EDUCATION

University of British Columbia

Master of Applied Science in Biomedical Engineering

Nov 2016

Bachelor of Applied Science in Electrical Engineering with Co-op Standing

May 2014

PROFESSIONAL EXPERIENCE

Math Tutor

May 2017 - Nov 2017

Tutor Doctor

Vancouver, Canada

- Tutor high school students math concepts to ensure they are confident to complete their homework

Vice President of Engineering

Nov 2015 - July 2017

VITALI Wear

Vancouver, Canada

- Relocated to Shenzhen, China for four months to create smart apparel that can measure heart rate variability, breathing, and activity, which was used to launch successful Kickstarter
- Performed the entire hardware development process from research in component selection, breadboard testing, schematic capture, PCB layout, PCB assembly, and PCB testing

Team Manager

Dec 2015 - Feb 2016

Choice School, Independent School for the Gifted

Richmond, Canada

- Coached five elementary students between the ages of 9 and 11 to create a musical instrument, write a story about a musical character, and perform at the Destination Imagination provincial tournament

Graduate Research Assistant

Sept 2014 - June 2016

UBC Electrical and Computer Engineering Department

Vancouver, Canada

- Developed clustering algorithms to find differences in fMRI data of healthy patients and Parkinson's disease patients with results published in cIRcle UBC and IEEE

Research Assistant

May 2013 - Apr 2014

UBC Electrical and Computer Engineering Department

Vancouver, Canada

- Developed a classifier to distinguish between tissues in ultrasound images with results published in:
"Towards Enabling Ultrasound Guidance in Cervical Cancer High-Dose-Rate Brachytherapy"

Inductive Proximity Sensors Intern

June 2011 - Jan 2012

Azbil Corporation

Kanagawa, Japan

- Conducted experiments to verify the electrical requirements of inductive proximity sensor
- Designed an inductive proximity sensor that compensated for temperature variations

e-Learning and IT Support

September 2010-April 2011

*UBC Center for Teaching, Learning and Technology**Vancouver, Canada*

- Wrote guidelines on the usage of e-Learning technologies to decrease the amount of support needed
- Taught faculty members to use and integrate e-Learning technology into their courses
- Troubleshooted and solved issues through with staff, faculty, and students by answering their emails and/or on site visits

VOLUNTEER EXPERIENCE

Member

July 2016 - Present

*Toastmasters**Vancouver, Canada*

- Delivering prepared and impromptu speeches as well as evaluating speeches of others

Vice President

May 2015 - May 2016

*UBC Yoga Club**Vancouver, Canada*

- Mentored the president and assisted the executive team to ensure all activities of the club ran smoothly
- Developed new approaches that streamlined work which increased efficiency of the club

Committee Member → Secretary → Chairman

Sept 2009 - May 2014

*IEEE Student Branch: UBC Chapter**Vancouver, Canada*

- Led 20 executives to plan 40 events which increased IEEE membership by 25%, raised 2k CAD, and recognized by IEEE Vancouver Section and IEEE Canada for outstanding student branch activities
- Mentored executives by assigning tasks that would help them achieve their goals or hone their skills and followed up with them weekly to discuss their progress

Electrical Engineering Student

Sept 2008 - Aug 2009

*UBC Thunderbots: Robotic Soccer Team**Vancouver, Canada*

- Drafted electrical schematics, assembled robots and soldered components on printed circuit boards

SCHOLARSHIPS AND AWARDS

- UBC APSC Rising Stars 2016 May 2016
- IEEE MGA: Larry K Wilson Regional Student Activities Award Sept 2014
- UBC Engineering in Scrubs Graduate Student Awards (\$18000) Apr 2014
- IEEE Canada Foundation Scholarship (\$5000) Apr 2013

CERTIFICATES

- Teaching English as a Foreign Language (TEFL) Dec 2017