

Audrey Ho

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Skills

Programming Languages: Python, Java, C++, CSS, HTML, C, JavaScript, Swift

Technical Experience

Myo Lift: Hack the 6ix 2018

Aug 2018

- Built an AR iOS workout app using C++ in Visual Studio, Swift in XCode, and InVision that allows users to integrate the Myo armband into their workouts
- Implemented a virtual personal trainer to allow users to check their workout movements simultaneously

Electrical Engineering Research Intern: Ryerson University

Jul 2017-Aug 2017

- Programmed maximum power point tracking (MPPT) algorithms with Java, C, C++, and Arduino for solar battery chargers using the Perturb and Observe and Incremental Conductance methods to conduct solar energy research
- Worked with an Electrical and Computer Engineering professor and his two graduate students

Reverse Outbreak: Hack Western 3

Oct 2016

- Built back-end using Flask and Python and front-end using CSS, HTML, and JavaScript
- Allowed epidemiologists to access live data on disease-infected locations on Google Maps using a Twitter API
- Mined Twitter data in Python through their API so that users could search up diseases mentioned in tweets

Leadership Experience

Citizen Hacks (citizenhacks.com): Lead Organizer

Sep 2018-Present

- Managed planning, financing, and marketing for the 36-hour privacy-themed hackathon for 300 high school and university students at the University of Toronto
- Contacted and interacted with 50+ sponsors for potential collaborations and opportunities

Stanford Scholar: Directly Responsible Individual (DRI)

Mar 2017-Present

- Initiative run by Stanford University researchers to make research more accessible in computer science fields
- Researched multiple Human-Computer Interaction and Artificial Intelligence papers, and summarized the papers to create videos which were published onto Stanford Scholar's [website](#) and [YouTube channel](#)
- As DRI, led a global team of 15+ students and professionals for Human-Computer Interaction and Artificial Intelligence papers

Canada Learning Code: Student Mentor

Mar 2017-Present

- Mentored and taught 40+ girls aged 8-13 CSS and HTML programming languages
- Worked alongside instructors to organize the set-up and lessons for CSS and HTML workshops and camps
- Volunteered at annual week-long March Break camps and various camps throughout the summer

Girls in Tech Conference (girlsintechcon.com): Lead Organizer

Sep 2017-Apr 2018

- Organized a one-day tech conference for 100+ girls in grades 6-8 in Toronto and the Greater Toronto Area
- Day was comprised of 20+ workshops covering topics such as robotics, programming, and web design, a keynote speaker, and 3 panel discussions

Education

University of Waterloo - Candidate for Honours Bachelor of Computer Science Co-op, 2018-2023