

# RICHARD TIAN

Computer Engineering Student

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## SKILLS

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**Languages:** Java, Python, C, C++, HTML, CSS, Javascript, JSON, XML, Verilog, ARM Assembly, X86 Assembly

**Software:** Eclipse, Android Studio, Atom, Vim, Microsoft Office, Command Line, Git

**OS:** Unix Operating System, Windows 7 Operating System, OS161

## EDUCATION

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**University of British Columbia**

Expected Graduation: December, 2022

Bachelor of Applied Science, Computer Engineering

Dean's Honour List standing

## PROJECTS

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**Vancouver Translink Bus Texting App** *Java, XML* July, 2018 - August, 2018

- Programmed an Android app to quickly check the arrival of the next bus at a bus stop

**Personal Website - richardyjtian.github.io** *HTML, CSS* July, 2018 - August, 2018

- Developed a website to display projects and work

**Smart Lock** *Python, Java, XML, HTML, CSS, Javascript* March, 2018 - April, 2018

- Constructed an account based lock system, relying on NFC communication between an Android app and a Raspberry Pi
- Uses a server to send encrypted keys to the app, and decrypt keys received by the Pi

**Arduino Robot** *C++* February, 2018 - March, 2018

- Designed a robot to perform a variety of actions, including autonomous driving, following a path, and drawing a picture

## EXPERIENCE

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**Private Tutor** June, 2015 - September, 2017

*Self employed*

- Tutored high school level Math, Chemistry, Physics, and English

**Zero Waste Leadership Clinic Co-host** August, 2014 - February, 2015

*Metro Vancouver*

- Co-hosted a sustainability leadership event that explored the impacts of waste and promoted waste reduction awareness

**Richmond Green Ambassadors Team Leader** September, 2012 - June, 2016

*City of Richmond*

- Organized team members in facilitating city events
- Annually co-hosted the REaDY summit, a youth sustainability conference

## AWARDS

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JN Burnett Secondary Scholarship June, 2016

BC Achievement Scholarship June, 2016