

JORDAN HONG

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EDUCATION

2nd year Engineering Science
B.A.Sc. | University of Toronto

SKILLS

Programming

Python, C, Java, Javascript, MATLAB

Embedded Systems

Verilog, Raspberry Pi, Arduino

Design

HTML, Processing3, Android Studio

Developer tools

Unix, Vim, Git

PROJECTS AND DESIGN WORK

Autonomous Car Charger Deliver Robot 2020

- blah

StayEnglightened, MakeUofT 2020

- blah

Automated Dough Fermentation Tester 2019

- Developed device prototype for dough fermentation tester using computer vision(OpenCV) and image processing as part of Praxis group project. Personal contribution entailed embedded system design with Raspberry Pi module.
- Represented University of Toronto Engineering Science students to showcase in the *2019 International Engineering Science Consortium*.

Android Productivity Application-Finite 2018-2019

- Collaborated with a partner to develop a time-productivity Android application. Personal work entailed backend text and image data storage. (Launched on Google Play store December 2018).

RESEARCH EXPERIENCE

Advanced Composite Characterization Lab 2019

Summer Undergraduate Researcher

Topic: Polyaniline-Nanocellulose-based green films for ammonia sensing applications.

- Developed and optimized chamber and electrical testing environment for monitoring chemoresistance of green semiconductive films.
- Investigated compositions of different nanomaterials to optimize sensing performance of nanocellulose-based films.
- Developed Python script to automate data association and perform analysis.

AWARDS

Faculty of Engineering Dean's Honour List 2018, 2019, 2020

Faculty of Engineering Admission Scholarship 2018

York Mills Collegiate Institute Gold Award 2018

Award of Excellence-International Olympiad Research, Taiwan 2016

Taipei Mayor Award 2015

EXTRACURRICULARS

University of Toronto Robotics Association 2019

SUMO Design Team Member- Electrical Design

Canadian Chinese Orchestra, Markham 2017

Erhu & Zhonghu

Newcomers Association, York Mills Collegiate Institute 2016-2018

Vice Chair