

# Oustan Ding

1A Software Engineering Student

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## EDUCATION

- **University of Waterloo**  
Bachelor of Software Engineering  
*September 2019 - Present*
- **Bayview Secondary School**  
IB Diploma Programme | 42/45  
Ontario Secondary School Diploma  
*September 2015 - June 2019*

## SKILLS

- Python, C, Java, HTML, CSS, Javascript, SQL, SAS, Git, Flask, Firebase

## AWARDS

- **MasseyHacks V Great Lakes Award** 2019  
Created best hack that raises awareness about the importance of water
- **YRDSB Top Scholar** 2019  
Top graduating average in York Region District School Board (100%)
- **2nd Place DECA ICDC** 2017  
Public Relations Project category (147 international teams)
- **ARCT Diploma** 2016  
*Royal Conservatory of Music, Toronto*  
Completed with 11 years of experience in piano performance
- **National Math Contest Accolades** 2018  
2018 Grade 12 Euclid: Top 4%  
2018 Grade 11 Hypatia: Top 1%  
2018 Grade 11 Fermat: Top 2%
- **Outstanding Achievement Award** 2018  
Scored in Top 5% of Waterloo Avogadro Chemistry Contest

## HOBBIES/INTERESTS

- Music, tutoring, video games, hackathons

## EXPERIENCE

- **Research Assistant** *July 2019 - August 2019*  
Ontario Ministry of Health and Long-Term Care
  - Built web application for training machine learning algorithm that retrieves healthcare-related Tweets (Python, HTML, SQLite)
  - Analyzed chronic disease data for integration in visual analytics tool (SAS, SQL, Excel PivotTables)
  - Synthesized datasets from provincial healthcare databases (Python, SAS)
- **Coordinator** *June 2017 - May 2019*  
Bayview Prefect Organization
  - Designed and implemented web portal to automate event registration and volunteer management (Python, HTML, SQLite)
  - Coordinated prefects at school events
  - Organized logistics with school guidance council
- **Event Coordinator** *June 2018 - May 2019*  
Bayview Engineering Club
  - Spearheaded club kickoff and winter outreach events, tripling club membership
  - Coordinated event logistics and led workshops
  - Designed slide decks and club graphics
- **Co-founder** *October 2016 - May 2018*  
Enlighten Youth
  - Raised awareness of food waste among York Region students through interactive workshops attended by over 150 students
  - Designed mobile application prototype to assist students' food waste management
  - Initiated school green bin program

## PROJECTS

- **Scribbit** | Python + Javascript + Google Vision API  
Allows students to dynamically reformat their handwritten notes in a digital interface
- **ProjectErie** | Python + Javascript + Google Maps API  
Crowdsources Lake Erie pollution data using SMS
- **FoodWatch** | Python + Twilio API + Firebase  
Manages groceries to help users reduce food waste