

# JESSE MENG

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## Experience

### Software Engineer Intern / Wish / May 2019 – August 2019

- Developed the Wish merchant performance overview page using react for frontend and python for data pipelining, creating one of the most useful and popular pages for merchants with over 4000 lines of code
- Constructed the Merchant Fine API using Python and MongoDB, providing over one million Wish merchants with the feature to fetch their fines returned in JSON format under constraints determined by input parameters
- Developed the fine policy overview page using React, providing over one million Wish internal users an overview of the Wish fine policies for merchants

### Software Engineer Intern / NRX AssetHub / January 2018 – April 2018

- Developed, using java, the object conversion feature which allowed users to convert by bulk object entities from one type to another while sustaining their initial hierarchies, increasing the efficiency of object conversion by >80% and saving \$500,000+ for our customers
- Optimized java code on eclipse to build SQL which lowered data query time on AH Cloud by >300%

### IT Solutions Developer / TD Bank Group / May 2017 – August 2017

- Improved job run times on Mainframe by >30% and accelerated the TD Currency Project by >20 business days by developing SQL and SAS code to generate and deliver core DRM hierarchy data downstream

## Education

### Bachelor of Computer Science, Honors Co-op, 2021 / University of Waterloo

Faculty Average: **93.5%**

## Awards

|   |                                      |             |
|---|--------------------------------------|-------------|
| 1 <sup>st</sup> Place/7500+                         | AAPT Physics Contest (Canada Region) | Spring 2015 |
| 1 <sup>st</sup> Place/580                           | McMaster Physics Contest             | Winter 2015 |
| 11 <sup>th</sup> Place/2000+                        | Sir Isaac Newton Exam                | Spring 2016 |
| <b>Ontario Chemistry Olympiad Finalist</b>          |                                      | Spring 2016 |
| <b>Canadian Open Mathematics Challenge Finalist</b> |                                      | Spring 2016 |
| 3 <sup>rd</sup> place/14                            | Waterloo Portal Hackathon            | Fall 2017   |
| Top 11.5%   | William Lowell Putnam Competition    | Fall 2018   |

## Skills

Proficient in **Python, C++, Java, React, JavaScript, C, MongoDB, HTML, Scheme, CSS**

Experience with **SQL, C#, Angular, MATLAB, SAS, Android**

## Projects

**UW Survival:** A shooting game featuring a University of Waterloo student struggling/fighting through his first-year math courses (Java)

**Watan:** A game featuring the Waterloo version of ‘Settlers of Catan’, with full design documentation (C++)

**Chinese Chess:** Implemented local Chinese Chess server and clients using sockets (Java)

**Degree Tracker:** A credit progress tracker that tracks the completed and required courses and gives personalized recommendations based on the user’s degree and minors/options chosen (HTML, JavaScript, Angular)