

Johnson Chen

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EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF SOFTWARE ENGINEERING
2015 - 2020 | GPA: **4.0/4.0**

EXPERIENCE

GOOGLE

SOFTWARE ENGINEERING INTERN Sept 2019 - Dec 2019 | Mountain View, CA
C++, TensorFlow

- Building a scoring model to assess ads landing page in order to improve bidding strategies and ads campaign quality

FACEBOOK

SOFTWARE ENGINEERING INTERN Jan 2019 - Apr 2019 | Seattle, WA
Python, Pytorch, Presto

- Researched and implemented multiple **anomaly detection algorithms** to detect fraudulent users on Facebook

ASANA

SOFTWARE ENGINEERING INTERN Apr 2018 - Aug 2018 | San Francisco, CA
Swift, Objective-C, SQLite, Core Data

- Shipped the **Comment Composer** feature on iOS to increase project collaboration
- Designed and implemented a custom **HTML Encoder/Decoder algorithm** to support List type data on iOS and web

WISH

SOFTWARE ENGINEERING INTERN Sep 2017 - Dec 2017 | San Francisco, CA
Python, MongoDB, Memcached, Redshift, Luigi

- Optimized shipping estimator to reduce refunds by **+2.42% (\$100+ million/year)**

DATACORAL | SOCIAL CAPITAL

SOFTWARE ENGINEERING INTERN Jan 2017 - Apr 2017 | San Francisco, CA
Node.js, AWS, MySQL, PostgreSQL, Redshift

- Contributed to building a **serverless infrastructure** framework with AWS Lambda

RESEARCH

UNIVERSITY OF WATERLOO

UNDERGRADUATE RESEARCH ASSISTANT May 2019 - Aug 2019 | Waterloo, ON
Python, TensorFlow

- Assisted in constructing an **adversarial sample detection** pipeline for DNN through model mutation testing

AWARDS

First in Class Engineering Scholarship | 2018: **Ranked 1st** in Software Engineering
Dean's Honours List | 2015 - 2019: **Top 10%** of class
Euclid Mathematics Contest | 2015: **1st Place** in Eastern Ontario
Canadian Computing Competition | 2015: **1st Place** in Eastern & Northern Ontario

PROJECTS

YUMMIFY

Flutter, Dart, Node.js, Python, PostgreSQL

- Built a mobile application that performs smart recipe recommendation based on ingredients

SKILLS

Programming: Python, C++, Java

Machine Learning: PyTorch, TensorFlow

Big Data: Presto, Hadoop MapReduce, Spark, Cassandra, Giraph

Mobile: Swift, Objective-C, Dart, Flutter

Web: React, Node.js, JavaScript, PHP, HTML/CSS