

# Addie Guo

Looking for Summer 2020 SWE internships

646-964-7171  
guo.addie@gmail.com  
addieguo.com  
github.com/a-guo  
linkedin.com/in/addieguo

## EDUCATION

### UNIVERSITY OF WATERLOO

BS IN COMPUTER SCIENCE

Expected Apr 2021

President's Scholarship of Distinction

## SKILLS

### LANGUAGES

C++ • Python • Java • Bash  
JavaScript • HTML • CSS

### FULL STACK

React • Node.js • Flask  
AngularJS • Redux • jQuery  
MySQL • MongoDB • PostgreSQL

### INFRASTRUCTURE

Docker • Jenkins • Ansible  
Terraform • Puppet • Thrak  
Nagios • Vagrant • Meteor

### AWS

EC2 • S3 • CloudWatch  
Lambda • ECS • DynamoDB  
EBS • CloudFormation • RDS

## EXTRACURRICULARS

### WOMEN IN CS (WICS)

#### EXECUTIVE

Organized tech talks aimed at promoting diversity in CS

### MATH AMBASSADOR

#### EXECUTIVE

Designed mentorship program connecting undergraduate students

### LIMELIGHT

#### CHOREOGRAPHER/PERFORMER

Choreographed and performed dance covers of Kpop videos

## COURSEWORK

Object Oriented Programming  
Algorithms & Data Structures  
Operating Systems  
Compilers  
Concurrent & Parallel Programming  
Computer Security & Privacy

## EXPERIENCE

### FACEBOOK | INCOMING SOFTWARE ENGINEER INTERN

Jan - Apr 2020 | New York, NY

- Looking to explore real-time, concurrency and optimization projects

### SPLUNK | SITE RELIABILITY ENGINEER INTERN

May - Aug 2019 | San Francisco, CA

- Built Cloud stack using Puppet and Terraform to evaluate benchmarks, showing potential cost reduction by 20% by using new EC2 instance
- Improved testing framework by using Vagrant and Ansible to create virtual instances of Splunk Cloud, increasing efficiency for 30+ SREs
- Migrated Cloud stacks to integrate Thrak and Nagios for monitoring, reducing escalations by 35%

### SELFMADE CO. | SOFTWARE ENGINEER INTERN

Sep - Dec 2018 | New York, NY

- Visualized and analyzed customer growth statistics by generating graphs and tables using Chart.js, increasing customer retention rate by 45%
- Integrated with AWS CloudWatch to run daily cron jobs that ensure customer payment information stays up-to-date
- Improved merchant sales by over 30% by developing an analytics dashboard for ads and deploying it to the Shopify App Store

### UNIVERSITY OF WATERLOO | UNDERGRADUATE RESEARCHER

May - Aug 2018 | Waterloo, ON

- Collaborated with Professor Ilyas on the **HoloClean** initiative: a statistical inference engine that automatically cleans datasets
- Implemented feature that allows users to interactively judge the correctness of the engine's predictions, improving engine accuracy by 10%

### MAPLE LEAF FOODS INC. | SOFTWARE ENGINEER INTERN

Jan - Apr 2018 | Mississauga, ON

- Integrated NLP into a chat bot using Microsoft LUIS, increasing precision by 15% and detail of the bot's responses
- Implemented two-factor authentication process using ASP.NET MVC for web app that manages food production plants

## AWARDS

2019	Twitter Grace Hopper Fellowship	Twitter
2018	Women in CS GHC Scholarship	University of Waterloo
2018	Best Use of StdLib	HackPrinceton Spring 2018
2018	Most Technically Difficult	WicHacks 2018

## PROJECTS

### WALK DON'T RUN

HTML/CSS | jQuery | JavaScript | Node.js | Express.js

- Finds the safest and shortest routes for women walking alone at night using SpotCrime API and Dijkstra's algorithm