

# JENNY GUAN



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## HIGHLIGHT OF SKILLS -----

- Diligently learns new material while openly accepting feedback
- Proven leader with exceptional communication and teamwork skills
- Extremely responsible and organized even in a fast-paced environment

### Languages:

Proficient: Python, JavaScript, CSS, HTML, Bash, SQL

Familiar: Swift, C#, Java, C++, C, VBA

### Technologies:

React, Redux, Django, Git, JIRA, AWS Serverless (Lambda, S3, DynamoDB, CloudFormation), Charles, Postman

## EDUCATION -----

### Candidate for Bachelor of Mathematics

University of Waterloo

Sept. 2016 - Expected 2021

- Honours Computational Mathematics
- Minor in Computing and Combinatorics & Optimization

### Relevant courses:

- Obj.-Oriented Soft. Dev. (C++, Bash)
- Algo. Design & Data Abstraction (C)
- Functional Programming (Racket)
- Data Types & Structures
- Management Information Systems
- Logic & Computation

## OTHER EXPERIENCE -----

Camp Counsellor	Event Coordinator
Camp Bus Captain	Teaching Assistant
Residence Amb.	Student Mentor

## INTERESTS -----

UI/UX Design	Bullet Journaling
Badminton	Embroidery
Calligraphy	Painting

## EXPERIENCE -----

### FULL STACK WEB DEVELOPER, Polar

Remote | Sept. - Dec. 2020

- Developed client-facing features on virtual machine environments and effectively debugged code and tests using **VSCode** and **Chrome DevTools**
- Expanded client functionality in **Django** admin with custom fields and new permissions using **Python** and database migration files
- Improved usability of web product by enhancing UI in **JavaScript**, **CSS**, & **React**
- Upheld code stability standards in **Jenkins** by creating unit tests

### iOS COMPUTER ENGINEER, Flybits Inc.

Toronto, ON | Jan. - Apr. 2020

- Developed SDK features involving UI changes, HTTP requests, JWTs, & caching using **Swift** in **Xcode** after completing Stanford's iOS App Dev. course lectures
- Verified SDK release quality by preparing & manually executing detailed test plans using Xcode **Simulator**, **Instruments**, **Charles**, & exploratory testing
- Documented tasks with **JIRA**, and engaged in agile scrum meetings including daily stand-up, sprint planning, and retrospective

### FULL STACK WEB DEVELOPER, Properly Inc.

Toronto, ON | May - Aug. 2019

- Implemented and tested back-end systems with **AWS** Serverless infrastructure (**Lambda**, **S3**, **DynamoDB**, **CloudFormation**)
- Developed front-end of active listing site with **JavaScript**, **CSS**, **React**, & **Redux**, and set up **Google Analytics** to track website behaviour
- Powered listing site with MLS data pulled using **RETS** framework in Python
- Reduced operations bottleneck by building end-to-end **Python** system and API to fetch data on problematic homes and display alert on operations portal

### SOFTWARE DEVELOPER, BAML

Toronto, ON | Sept. - Dec. 2018

- Improved database security for front-office trading system by reimplementing report generator with custom options, result filtering, and Excel exportation
- Created endpoints for **Java** server and used **Postman** to test HTTP requests
- Formulated complex **SQL** parameterized queries and procedures to retrieve client data used to populate **WinForms** UI designed in **C#**, and **JasperReports**

## PROJECTS -----

### PERSONAL WEBSITE, www.jennyguan.codes

Sept. - Dec. 2020

- Independently developed a **React** web app using **JavaScript**
- Designed a responsive and user-friendly interface using **CSS** and **Flexbox** layout

### QUADRIS, UWaterloo CS246 Final Project

July 2018

- Developed a Tetris-like tile-matching game in a team of 3 in **C++**
- Handled block creation and levels with varying obstacles and block rarities
- Tested all commands and cases including block requests, queue, points, & reset

### PREDICTIVE BOT, KPMG LLP.

Jan. - Apr. 2018

- Organized and facilitated Sky AI Team meeting to align vision and set task goals for a ML project to predict NBA game outcomes with a binary classifier
- Experimented with **Beautiful Soup** package in **Python** to web scrape historical game data into a database as input for algorithm