

JENNY GUAN



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A diligent quick-learner who is passionate about helping people by problem solving through software development. 1.5+ years of software work experience from 5 different internships across FinTech, PropTech, and AdTech fields.

TECHNICAL SKILLS -----

Languages:

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

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

Technologies: React, Django, Git, JIRA, Redux, AWS Serverless, Xcode (Simulator, Instruments), Charles, Postman, Google Analytics

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 on virtual machine environments for all **JIRA** tickets, and deployed **Git** branches to VMs for QA testing
- Improved usability of client-facing web app by adding features and changing UI in **JavaScript**, **CSS**, and **React**
- Expanded client functionality in **Django** admin with database migration files in **Python**
- Upheld code stability standards by creating unit tests and used **Jenkins** to check and compare pipelines regularly

iOS COMPUTER ENGINEER, Flybits Inc.

Toronto, ON | Jan. - Apr. 2020

- Completed iOS app development training via Stanford's CS193P online course lectures while actively working through demos
- Developed features for SDK releases involving UI changes, HTTP requests, JWTs, caching, and more using **Swift** in **Xcode**
- Prepared and manually executed detailed test plans before release using Xcode **Simulator**, **Instruments**, and **Charles**, and performed 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

- Developed front-end of active listing site in **JavaScript** and **CSS** with **React**, **Redux**, and set up website behaviour tracking with **Google Analytics**
- Implemented and tested back-end systems in Python using **AWS Serverless** architecture (**Lambda**, **DynamoDB**, **CloudFormation**)
- Built an end-to-end **Python** system and API for fetching data on problematic homes, and displayed it in an operations web portal
- Pulled Multiple Listing Service data powering the active listing site using the **Real Estate Transaction Standard** system framework in Python

SOFTWARE DEVELOPER, BAML

Toronto, ON | Sept. - Dec. 2018

- Implemented report generator feature for front-office trading system to improve database security
- Designed user interface in **C#** to select report parameters and display results with data filtering and Excel export options using **Windows Forms** library
- Formulated complex **SQL** parameterized queries and stored procedures to retrieve specific client activity data for **Jasper Report** and UI
- Created endpoints for **Java** backend server and tested them by sending HTTP requests through **Postman**

PROJECTS -----

PREDICTIVE BOT, KPMG LLP.

Toronto, ON | 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 Python's Beautiful Soup package to web scrape historical game data into a database as input for algorithm