

JENNY GUAN



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HIGHLIGHT OF SKILLS

Languages: Python, JavaScript, Swift, HTML, CSS, C#, SQL, Java, C++, Bash, C, Excel VBA, Racket, R

Technologies: React/Redux, AWS Serverless (Lambda, DynamoDB, CloudFormation, CloudWatch), Xcode (Simulator, Instruments), Git, Charles, JIRA, Postman, RETS, Google Analytics, WinForms, JasperReports, TaxPrep, BluePrism, BeautifulSoup

- Diligently and passionately learns new material promptly
- Proven leader with exceptional communication and teamwork skills
- Extremely responsible and organized even in a fast-paced environment

EDUCATION

Candidate for

Bachelor of Mathematics

University of Waterloo

Sept. 2016 - Expected Jun. 2021

Program: (Honours, Co-op)
Computational Mathematics

Relevant courses:

Object-Oriented Software Dev. (C++, Bash), Algorithm Design & Data Abstraction (C), Functional Programming (Racket), Statistics (R), Data Types & Structures, Management Info. Systems, Logic & Computation, Applied Cryptography, Optimization, Scheduling, Combinatorics, Calculus III, Linear Algebra II

OTHER EXPERIENCE

- Badminton Club
- Camp Counsellor
- Residence Ambassador
- Event Coordinator
- Teaching Assistant

EXPERIENCE

iOS COMPUTER ENGINEER

Flybits Inc. - Consumer Experience | Toronto | 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 | 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**, **CloudWatch**)
- 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

Bank of America Merrill Lynch - Equity Linked Tech. | Toronto | 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 the **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

QUADRI

University of Waterloo CS246 Final Project | July 2018

- Developed a tile-matching puzzle game (similar to Tetris) in a team of 3
- Handled levels and block creation with varying obstacles and block-shape rarities per level
- Unit tested all aspects and commands including block movements, block-shape requests, queued blocks, levels, point system, and game reset

PREDICTIVE BOT

KPMG LLP - SKY AI Team | Toronto | Jan. - Apr. 2018

- Prototyped a machine learning project by creating a binary classifier to predict NBA game wins/losses
- Web scraped historical game data using Python's BeautifulSoup package as input for algorithm
- Organized and facilitated weekly meeting with all developers and sub Input Team to align vision and set task goals