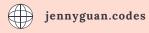
JENNY GUAN



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HIGHLIGHT OF SKILLS ------

Languages:

Proficient: Python, JavaScript, CSS,

HTML, SQL, Bash

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

Frameworks/Libraries:

React, Redux, Django, Unittest, Flexbox, Bootstrap, AWS

Tools:

Git, JIRA, DevTools, Jenkins, Charles, Postman, Google Analytics

EDUCATION -----

Candidate for Bachelor of Mathematics University of Waterloo

Sept. 2016 - Aug. 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
- Databases (SQL)

OTHER EXPERIENCE -----

Camp Counsellor Camp Bus Captain Residence Amb.

Event Coordinator Teaching Assistant Student Mentor

INTERESTS -----

UI/UX Design Badminton Calligraphy

Bullet Journaling Painting

EXPERIENCE -----

FULL STACK WEB DEVELOPER, Polar

Remote | Sept. - Dec. 2020

- Expanded functionality in Django admin using Python and database migration scripts, allowing clients to add custom fields and grant special permissions
- Improved usability of web product in JavaScript (React, Redux) & CSS by creating dashboard features to simplify workflow for power users
- Traced and debugged issues using VSCode and Chrome DevTools
- Created tests using Unittest to uphold 75% code coverage on Jenkins

iOS COMPUTER ENGINEER, Flybits Inc.

Toronto, ON | Jan. - Apr. 2020

- · Developed SDK features in Swift, including image caching on main feed and handling JWTs in HTTP requests for faster and safer performance
- Implemented custom features on internal test app using Swift and Xcode Simulator, such as clearing iCloud Keychain to broaden testing capabilities
- · Prepared and manually executed detailed test plans using Xcode Instruments, Charles, and exploratory testing to verify SDK release quality

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 (React, Redux) & CSS (Bootstrap, Flexbox), and set up Google Analytics website behaviour tracking
- Fetched data on problematic homes and displayed alert on operations portal by building end-to-end **Python** system, eliminating operations manual procedure
- Pulled MLS data using **RETS** framework in Python to power listing site

SOFTWARE DEVELOPER, BAML

Toronto, ON | Sept. - Dec. 2018

- Redesigned data retrieval in front-office trading system using REST endpoints created in **Java**, improving database security
- Formulated complex SQL parameterized queries and procedures to return client activity data from MSSQL database to populate reports
- Created GUI in C# using WinForms and JasperReports with custom options, results filtering, and Excel exportation options

PROJECTS -----

PERSONAL WEBSITE, jennyguan.codes

Sept. 2020

- Developed a React web app using JavaScript and HTML
- 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 using 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