





BRYAN YUEN

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PERSONAL PROFILE

As a Graduated Student from Computer Information Technology program at BCIT. I have a strong understanding of computer in both software and hardware level, along with problem solving and analytical skills. Having worked with numerous groups in different courses, I have also developed interpersonal skills to work as a team using Agile methodology. I am eager to develop and improve applications that automates tasks and improve the quality of life for the users.

TECHNICAL SKILLS

PROGRAMMING/CODING LANGUAGES

- Python3
- Java
- JavaScript
- SQL
- TypeScript
- HTML
- CSS
- Bash
- R Script

OTHER DEVELOPMENT RELATED KNOWLEDGE

- Object Oriented Programming
- Unit Testing
- Test Driven Development
- Angular.js
- React.js
- Agile Development
- Bootstrap
- Node.js
- Mongo DB
- Docker
- AWS/Azure
- Git/GitHub
- UX/UI Design
- Postman
- Selenium

PROJECTS

BCIT ISSP MANAGEMENT PORTAL (ACADEMIC + INDUSTRY PROJECT) (SEPT 2020 – DEC 2020)

Client: BCIT School of Computing and Academic Studies (SOCAS)

- Collaborate in a team of 5 using Agile methodologies as a Development Lead
- Designed and Developed Management portal to manage ISSP (Industry Sponsored Student Project) submissions for BCIT School of Computing and Academic Studies.
- Developed features such as project submission, project reviews, project assignment, Document export to PDF, role-based access.
- Technologies: Node.js, EJS, CSS, MySQL (MariaDB), jQuery, JavaScript, Trello, Git/GitHub

IMAGE RECOGNITION WEBSITE (ACADEMIC + INDUSTRY PROJECT) (JAN 2020 – APR 2020)

Client: SAR Technology Inc.

- Collaborate in a team of 6 using Agile methodologies as a Jr. Developer
- Uses Kotlin to build an Image Recognition android app based on clarifai's Image Recognition SDK to aid search and rescue activity.
- Developed Image segmentation functionality to improve Image Recognition results with JavaScript.
- Improve the sorting algorithm and UX/UI on the legacy website using JavaScript and CSS
- Technologies: HTML5, CSS, JavaScript, Kotlin, Trello, Git/GitHub

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GAME TASK AUTOMATION (PERSONAL PROJECT)

(DEC 2019 – DEC 2019)

- Developed Python Script/Algorithm with Android Emulator Marco to automate repetitive tasks
- Used Tesseract-OCR and pytesseract library to convert text in images to string in python
- Used pyautogui library to take screenshot of current state of game and mimic mouse movement
- Technologies: Python (pyautogui, PIL, pytesseract)

COMPUTER SHOP MANAGER (ACADEMIC PROJECT)

(SEPT 2019 – DEC 2019)

- Co-Developed Computer Shop Manger Python application that stores computer components information and mimics the inventory of a retail store
- Used REST endpoints to interact with application to dynamically access and update SQLite database
- Used Test Driven Development and Unit Testing to ensure application work as intended
- Technologies: Python (Tkinter GUI, requests, SQLite, SQLAlchemy), SQL, Git/GitHub

DESKCODE (ACADEMIC PROJECT)

(APR 2019 – MAY 2019)

- Collaborated in a team of 6 using Agile methodologies as a Jr. Developer.
- Designed and Developed an in-browser IDE WebApp that allows user to code in HTML, CSS, JavaScript, and renders the result in real time.
- Designed and reconstructed layout of website using CSS.
- Implemented functions to improve user experience (toggle on/off button for real-time rendering, tab to switch between coding in HTML/CSS/JavaScript).
- Technologies: Node.js, HTML, CSS, JavaScript, Bootstrap, Git/GitHub

PC PARTPICKER BUDGET COMPANION (ACADEMIC PROJECT)

(JAN 2019 – APR 2019)

- Co-developed Application to assist beginner PC builders to pick PC components
- Developed algorithm to allocate budget to different components and select components for a full PC build with parts that are known to be compatible
- Used Selenium to automate components selection for PC components on *pcpartpicker.com* and display the full build.
- Technologies: Python (PCPP API, Selenium), Git/GitHub

EDUCATION

COMPUTER INFORMATION TECHNOLOGY DIPLOMA

(JAN 2019 – DEC 2020)

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY (BCIT)

GPA: 85%

- Refined my coding and analytical skills and learned about web development using various framework.

BSC - MAJOR IN PHYSICS | UNIVERSITY OF BRITISH COLUMBIA (INCOMPLETE)

(2014 – 2017)