

# YUCHENG LI

Computer Science Major, 3rd Year

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## EDUCATION

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University of British Columbia, Bachelor of Science

Sept 2020 - Present

## WORK EXPERIENCE

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Automation Developer

Sept 2020 - April 2023

Royal Bank of Canada

Toronto, ON

- Led the automation script development for company software using Python and Robot Framework
- Automated over 70+ software test scenarios and increasing testing efficiency by more than 40%
- Wrote and documented 300+ unit, integration, e2e and black box tests cases
- Participated in weekly meetings following scrum/agile framework

## TECHNICAL PROJECTS

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Subletter, Virtual Marketplace | *JavaScript, MySQL, NodeJS, Express, ReactJS, ChakraUI* August 2023

- Designed and implemented a web application that provides a dedicated virtual marketplace for students to effortlessly list and rent out sublets within the university community
- Employed React, ChakraUI for frontend; Express, MySQL for backend, ensuring seamless database operations
- Engineered a real-time messaging functionality using Socket.IO, enhancing user communication

Resume Builder, Web-based Resume Generation Tool | *JavaScript, React, HTML5/CSS3* May 2023

- Created a responsive resume builder web app using React.js that generates professional looking resumes
- Enabled easy to use, one-click resume to PDF download feature using React-PDF
- Implemented a live resume preview feature that accurately displays the appearance of the final PDF

BattleSnake AI, Competition | *Python, Matplotlib, DigitalOcean* April 2023

- Led a team in the development of a snake AI that won 2nd place in RBC's 2023 BattleSnake AI Competition
- Implemented AI algorithms including MinMax and heuristics to enable the snake to look up to 7 steps ahead
- Created a visual tool using Matplotlib and Networkx to enable easy visualization of the AI's decision tree

Spotify Collage, Web Application | *Python, HTML5, CSS3, Flask, Bootstrap* Jan 2022

- Developed a web app that transforms Spotify album data into visually appealing collages
- Leveraged Spotify's API to collect necessary artist and song data, enabling the app to create personalized collages for each user based on their music preferences
- Designed a user-friendly interface featuring a simple, intuitive design using Bootstrap and Flask

Navi-bot, ChatBot | *Python, JSON* Jan 2023

- Developed a Discord bot to help UBC students navigate the university's complex degree requirements
- Created a file manager that stores degree requirements in JSON format, enabling the bot to retrieve and display accurate information based on user input
- Utilized Discord.py library with the bot to facilitate seamless communication and interaction with student

## TECHNICAL SKILLS

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**Programming:** *Java, Python, JavaScript, HTML5, CSS3, C, C++, SQL, Node.js, React, Express*

**Tools/Environment:** *VScode, Git/GitHub, JetBrains Suit, Linux, Eclipse*