Shuyao Wen

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github.com/ShuyaoWen

TECHNICAL SOFTWARE SKILLS

- C/C++
- Java
- Python
- Unit Test
- Git/GitHub
- Command Line
- Flask
- Django
- HTML/CSS/JavaScript
- MATLAB
- Android UI Design

EDUCATION

University of British Columbia   **Expected Graduation April 2023**
Bachelor of Applied Science – Computer Engineering
- Enrolled in Engineering Co-op program
- Cumulative Grade: 85%

TECHNICAL PROJECTS

Remote-Control/Light-Seeking Robot Car   **March 2020**
- Fully functional remote-controlled robot car using Bluetooth
- Features include line-following mode, remote-control mode, gesture mode
- Gained experience in Bluetooth connection, developing on Raspberry Pi, Python, and teamwork

Assembly Code Debugger   **January 2020**
- Debugger processes Y86 assembly code using C
- Features include stepping through code, running code, changing program counter, add/remove break points, print register values, examine memory
- Gained experience in debugging, C/assembly programming, and teamwork

Guessing Game App   **April 2019**
- Designed and implemented a native Android application using Android Studio and Java
- Features include different levels of game difficulty, statistics recordings, and push notifications
- Gained experience in android app UI design, Java, XML

Sudoku Solver   **March 2018**
- Computer program that can solve any Sudoku puzzle
- Written in Java using Eclipse
- Gained experience in writing abstract data types, linked grids, stacks, file streaming, project management

VOLUNTEER EXPERIENCE

University of British Columbia, Vancouver, BC   **March 2019**
Engineering Open House Volunteer Leader
- Responsible for coordinating volunteers at engineering open house event
- Demonstrated leadership skills and implemented event management strategies

Calgary Public library, Calgary, Alberta   **September 2014 – December 2014**
Reading Volunteer
- Volunteered at public library in a program designed to encourage young children to read

INTERESTS & ACTIVITIES

- Hackathons
- Mathematics
- Bike mechanics
- Music
- Sports and fitness