

Joshua Chang

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SKILLS

Languages: Java, Python, C++, HTML/CSS, JavaScript, Bash

Tools: Visual Studio Code, Jenkins, Figma, Adobe Creative Suite, Git, Bootstrap

EXPERIENCE

SAP Pioneer Canada

January 2022 – Present

DevOps Engineer

- Upgraded Jenkins production server to **address security and vulnerability issues**, while also **increasing job performance and build times**
- Created a shell script to **automate** the process of **backing up SQL databases** to populate Nexus repositories, reducing the amount of manual labor spent

PROJECTS

Local Lookout | Adobe XD

August 2021

- Prototyped a mobile app that suggests local businesses to users, **promoting small business success and building community relationships**
- Utilized **design principles** such as form and function to produce a minimalistic and intuitive app for users of various technical backgrounds

Volleyball Statistics Program | Java

January 2021

- Developed an application to track offensive and defensive statistics of players and the team, supplying analytical feedback to athletes and coaches to achieve success in future matches
- Implemented a **GUI** to enhance user experience, displaying average scores and percentages of each statistic using **OOP, Methods, and ArrayList/Array Manipulation**

Hangman Game | Java

January 2020

- Developed a two-player hangman game used by **50+ students** to express the application of key programming concepts such as **String and Array Manipulation and Methods**

AWARDS AND ACHIEVEMENTS

WatPD Engineering Scholarship

May 2021

- \$4000 scholarship awarded to one student in each engineering program (1 of 120 students) who has demonstrated academic excellence and the potential to thrive in professional skill development

John E. Betts "Beat Yesterday" Scholarship

January 2021

- \$2500 scholarship given to an ambitious individual striving to improve everyday at school, in the community, and on the job

Athlete of the Year

September 2018 - June 2019

- 2-time recipient, recognized for showing exemplary leadership and excellence on numerous teams throughout Middlefield Collegiate Institute's athletic program

EDUCATION

University of Waterloo

Waterloo, ON

Candidate of Bachelor of Applied Science in Systems Design Engineering

2021-2026

- Relevant Coursework: Digital Computation (C++), Introduction to Design

INTERESTS

Sneakers, Volleyball, Hockey, Fitness, Guitar, Video Editing, Photography