Jesse Li

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Career Summary

Highly driven individual with strong programming, analytical and quantitative skills. Results-oriented with the ability to perform and excel in fast-paced working environments. Excellent written and oral communication skills, able to clearly convey complex technical concepts into code and communicate said concepts to audiences of various backgrounds. Self-motivated and team-oriented with an excellent work ethic. Strong desire to constantly learn and improve.

⚙ Tools

Programming
Python, SQL, Java, C, Scheme/Racket

Version Control
Git, GitHub

Web Frameworks
Django, Flask

Web Development
HTML, CSS, Bootstrap

General
Microsoft Word, Excel, PowerPoint

🎓 Education

Bachelor of Computer Science
Computer Science Co-op (1B)
University of Waterloo
David R. Cheriton School of CS
Expected Graduation: April 2025

Relevant Coursework: *Elementary Algorithm Design and Data Abstraction*

🎖 Certifications

Certified Entry-Level Python Programmer, Python Institute

The Complete SQL Bootcamp, Udemy

🏅 Awards

President's Scholarship of Distinction, University of Waterloo

Scotiabank Scholarship Recipient, Scholarships Canada

🏃 Hobbies/Interests

Hockey (3-time NYHL Tier 1 All-Star)
Reading
Biking

Personal Projects/Relevant Experience

Hack the North 2020++ event   1/15/2021 – 1/17/2021
- https://covid19-canada.herokuapp.com/
- Created a web scraper information site to track live COVID-19 related statistics in Canada (for all provinces and territories)
- Developed with the Flask web framework (Python) using a jinja template
- Styled aesthetic design using Bootstrap 4
- Pulled data from various COVID-19 API's and converted the JSON file format into easy-to-read text

Personal Hockey Website   11/2019 – 01/2020
- https://parkwoods-stars.herokuapp.com/
- Developed a Django web application (Python) to showcase my youth hockey and also enable users to create topics/entries, which are then stored in a database
- Deployed website to Heroku with a Postgres database and a jinja template
- Styled responsiveness and aesthetic design using Bootstrap 4 for features such as interactive buttons and calls to a backend database

Work Experience

Teaching Assistant
Spirit of Math Schools   09/2017 – 10/2019
- Supervised and aided 15 – 20 students with course material through one-on-one teaching
- Enhanced student learning with positive reinforcement strategies and broad instructional approaches
- Collaborated with fellow teaching assistants to establish an encouraging learning environment

Volunteer Experience

Head Coach
Parkwoods Minor Hockey League   10/2018 – 03/2020
- Coached and coordinated 24 weekly practices to enhance players' shooting, passing, and skating abilities
- Developed effective game strategies for a team of 11 players aged 13 – 14 years
- Exceeded first years win rate by 60%, won 16/24 games in second year as head coach

Head of Tech Crew
York Mills Collegiate Institute   09/2018 – 03/2020
- Oversaw the audiovisual production for major school events/productions
- Mentored 16 club members and trained them to use various tools and equipment
- Received excellent feedback and reviews from peers, staff, and parents