Isaac Chung

Junior - Vancouver, BC, Canada

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Education

University of British Columbia
Expected Grad: 05/2023
GPA: 3.9

BSc. Cognitive Systems (Computer Science)
Dean's Honour List.
Relevant Courses: Algorithms & Data Structures, Software Construction, Computer Sytems.

Experience

Build Engineer Co-op
Visier
09/2021 - Present

Optimizing codebase compiling and testing through the build system.
Improving processes around development efficiency and extending current CI/CD pipeline with **Jenkins**.

Technologies: *Python, Java, Groovy, Scala, Jenkins, Docker, Gradle*

Work Learn IT Support/ Web Assistant
University of British Columbia
06/2021 - 08/2021
CPS Biochemistry

Redesigned and restructured CPS and Biochemistry department webpages to improve overall appearance and SEO.
Managed website content, design and updates for CPS and Biochemistry department.
Documented and taught WordPress workflow and standard of procedure to colleagues.

Technologies: *WordPress, HTML, CSS*

Undergraduate Teaching Assistant
University of British Columbia
10/2020 - 04/2021

Taught an introductory functional programming course in **Python**, led labs with 25+ students, graded 600+ lab assignments, and hosted weekly office hours.
Curated and edited 10+ tutorial videos as new course development materials for remote learning.

Technologies: *Python, Camtasia*

nwHacks Logistics Coordinator
nwPlus
06/2021 - Present

Organized volunteer and organizer logistics, opening and closing ceremonies, food and snacks, and judging and registration.
Crafted hacker experience with workshops, events and activities for 900+ hackers.

Projects

UBC Course Explorer (Oakhacks 2020)
Github
Website

Built a school course search web app with **Python** and **Django**, integrating a UBC Grades and RateMyProfessors API to display course, grades and professor information.
Containerized and deployed using **Docker** and **Heroku** and implemented Python Linter with **Github Actions**.
Designed and implemented frontend web pages using **Django**, **HTML** and **CSS**.
Achieved first place amongst 40+ teams at Oakhacks 2020.

Technologies: *Python, Django, JavaScript, Heroku, Docker, Github Actions, HTML, CSS*

Battle To-Do (nwHacks 2021)
Github

Developed a user authenticated to-do list game web app to encourage online productivity.
Built login system, to-do list, and frontend web pages using **Django**, **HTML** and **CSS**.
Achieved 'Honourable Mention' award amongst 200+ teams at nwHacks 2021.

Technologies: *Python, Django, HTML, CSS*

Modelling Meteorological Factors of COVID-19 (research project)
Github

Evaluated the significance of meteorological factors on COVID-19 infection rates in various regions of Canada using linear regression, decision tree regression, and a random forest regressor in **Python**.
Presented project at Multidisciplinary Undergraduate Research Conference (MURC).

Technologies: *Python, scikit-learn, Django, MongoDB*

Personal Website
Github
Website

Designed and implemented personal website displaying experience, and projects using **React**, **HTML**, and **CSS**.
Established CI/CD pipeline using **Github Actions** and deployed using Github Pages.

Technologies: *JavaScript, React, HTML, CSS, Github Actions*