

Jonathan Ung

Richmond, BC, Canada

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<http://mylinux.langara.bc.ca/~jung02/Portfolio/index.html>

Technical Skills

Machine Learning: NumPy, PyTorch, Pandas, Plots.jl

Front-End: React, Next, Angular, Flask, Django, Spring MVC, SASS, jQuery, Flutter, Bootstrap

Back-End: SQL(PostgreSQL, MySQL, SQLAlchemy, SQLite3), ORM, Express, MongoDB, JWT

Deployment: AWS, Kubernetes, Docker, Git

Languages: Python, Ruby, Java, GO, C/C++, C#, JavaScript, Bash, Perl, HTML, CSS, Julia, Rust

Other: Regex, Scripting, OOP, API, REST, Bcrypt

Relevant Work Experience

MVP IT Solutions - Software Engineering Intern

Daytona Beach, FL, USA (Remote) | August 2022 - November 2022

- Engineered functional, scalable, and reusable components in the Flutter framework
- Enhanced development plans during scrum agile development meetings
- Collaborated with senior developers to test and debug applications, reducing integrity errors
- Assisted in the development of models and controllers for the back-end
- Optimized API calls to the cloud-based database to reduce resource usage and cost

Code Ninjas - Code Sensei

Richmond, BC, Canada | August 2023 - PRESENT

- Advised students as they progressed through their self-paced curriculum, aiding their growth
- Integrated technology into the curriculum in an engaging and memorable manner for children
- Ensured facilities were frequently and thoroughly managed to create a welcoming environment

Relevant Extracurricular Activities

Langara Computer Science Club - Lead Hackathon Coordinator

Vancouver, BC, Canada | April 2023 - September 2023

- Led the creation of the inaugural Langara Computer Science Hackathon
- Managed a committee through task and process delegation
- Primarily researched requirements to run event and event sponsors
- Worked closely with the Computer Science, IT and Management Departments to fund and run the event
- Developed a system to create a smooth, safe, and enjoyable experience for attendees

Technical Projects

JSONLookup

MERN Based Full Stack Application | Early 2023

- Engineered a function to query a json from an API call, and return the dataset belonging to the key and the key path
- Developed a system to link all queries to a history linked to the logged in user, with ability to delete individual queries from history
- Created a simplistic query system to allow quick queries, showing a local history for queries only done during the session without requiring login
- <https://github.com/jonathanung/jsonlookup>

Sked

MERN Based Full Stack Application | Early 2023

- Engineered a calendar generator to create a unique two-dimensional array for the currently displayed month
- Implemented full CRUD functionality for users to easily personalize events and calendars
- Developed relations between events and calendars to allow for modular integration within the application
- Applied an expense attribute to allow easier tracking of finances
- Integrated sorting for events by time and calendars by creation
- <https://github.com/jonathanung/sked>

Memory React

React and Firestore Full Stack Application | SFU Fall Hacks 2022

- Implements firebase/firestore to store a leaderboard of the top scoring players
- Developed a deck generator and stored data using states in react
- Level system ensures the game is progressive and challenging
- Integrated timer creates an arcade style experience
- https://github.com/jonathanung/memory_react

Education

Langara College - A.S Computer Science

Vancouver, BC, Canada | September 2021 - April 2022, April 2023 - PRESENT

GPA: 3.6 | Awards: Dean's Honour Roll

Coding Dojo - Full Stack Web Development Certificate

Colorado Springs, Colorado, USA (Remote) | May 2022 - August 2022

Awards: Highest Honor x3

Non-Technical Work Experience

Katsu San - Scheduling Manager, Kitchen Supervisor and Line Cook

Richmond, BC, Canada | August 2021 - December 2022

- Created the weekly schedules for the kitchen staff and managed staff time-off and sick call requests
- Managed and supervised the kitchen on-site and conducted training of all new kitchen staff
- Worked closely with the restaurant owner to ensure the quality of the product was premium

McDonald's - Crew Member

Richmond, BC, Canada | June 2018 - August 2021

- Handled the cash register of the restaurant drive-thru with high-accuracy
- Delivered direct, prompt, and friendly customer service to the patrons of the restaurant
- Assisted other team members with completing duties to meet rigorous restaurant standards

The Potato San - Stall Vendor

Vancouver, BC, Canada | April 2023, August 2023

- Assisted customers with orders and ensured satisfaction through excellent customer service
- Prepared products safely in accordance to health guidelines with attention to quality

Interests

Mouse Modding - 3D printed different mouse shapes and soldered new components onto gaming mice

Airsoft - Modified and maintained many different pieces of gear and worked with delicate parts

Competitive Online Gaming - Played on various amateur teams competing for fun and small prizes

Cooking - Creating new and interesting dishes with goals of experiencing new and more refined tastes