RICHARD LI

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SKILLS

- **Languages:** HTML5, CSS3, JavaScript, Python, R, C, C++, Java, EJS
- **Frameworks & Libraries:** Node.js, Express.js, Bootstrap, React
- **Databases:** SQL, MongoDB, Firebase
- **Tools:** Microsoft Office Suite, Git, Figma, Trello, Jupyter, Tableau
- **Data Analysis:** Data Collection, Data Cleaning, Regression Models, Statistical Analysis, Data Visualization
- **Methodology:** Agile, SDLC

TECHNICAL PROJECTS

Wellbot – Fitness web application   May – June 2024
- Collaborated with a team to develop features for generating and customizing workouts, and tracking macros, to enhance fitness tracking accuracy
- Implemented secure user authentication and data management in MongoDB to ensure data integrity and user privacy

Arcea Phantasy - Python Game Program   Nov – Dec 2023
- Implemented features such as levelling, skills, storylines, and bosses to engage users
- Conducted unit tests to validate game functionality and ensure smooth game interactions

Pathway Analysis: Relationship Status Impact on Happiness   Mar 2021 – Nov 2023
- Conducted mediation analysis in R to examine factors influencing the association of relationship status and happiness during COVID-19
- Presented research findings at the Canadian Human Connection conference, highlighting implications for improving happiness during the pandemic

EXTRACURRICULAR ACTIVITIES

Sustainable Recipes - NwHacks 2024 Hackathon   Jan 2024
- Collaborated with a team of 4 to build a web app that generates recipes in under 24 hours
- Utilized Firebase database to store and manage user authentication data in real-time
- Connected the website to an API to generate recipes based on available ingredients

VanML Data Science Hackathon - Winner 2023   Sept 2023
- Analyzed 211 BC Helpline call data pre- and post-COVID-19, identifying main call concerns
- Created a correlation graph in R representing the association between BC Helpline calls and COVID-19 cases to emphasize potential correlation factors
- Presented insights on data analysis and suggested implications for future crisis plans

WORK EXPERIENCE

Team Member/Researcher, Pivot 2020   Oct – Dec 2020
- Gathered data on Canadian cities through research methods (indexes, surveys, and interviews) to develop a youth-focused, accessible data hub
- Analyzed primary data on Canadian cities using Google Sheets, generating data reports
- Presented a PowerPoint on Metro Vancouver's tourist attractions to support area promotion

EDUCATION

British Columbia Institute of Technology   Sept 2023 – Present
- Diploma – Computer Systems Technology

Simon Fraser University   Sept 2016 – Apr 2022
- Bachelor of Science - Health Sciences, Life Sciences