

Lihui Yang

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EDUCATION

University of Victoria

Bachelor of Science, Psychology and Computer Science Combined Major

Victoria, BC, Canada

May. 2018 – Expected Dec. 2021

WORK EXPERIENCE

IM/IT Generalist - Co-op

BC Ministry of Attorney General

May 2021 – August 2021

Victoria, BC

- Tested validations of an upgrading portal system and created bug reports
- Provided helper scripts for massive files transformation
- Built and redesigned online form and added features by JavaScript
- Supported the implementation of a new ITIL platform and drew a workflow diagram for each team

Research Assistant - Co-op

Universidad Católica del Maule

January 2021 – April 2021

Remote

- Responsible for preparing gene sample data from NCBI database
- Tested the effectiveness of CRISPR-Cas System in microorganisms
- Implemented data visualization and compared accuracy of different analysis tools
- Worked closely with Professor to have proper research resources available for projects

PERSONAL PROJECTS

Food-Finding Application | *Node.js, Express, MongoDB, EJS* | <https://foodfinding.herokuapp.com>

- Fully-functional Node.js Web App for sharing dining experience and recommended dishes
- Formed Express as a server-side framework to construct RESTful routing
- Established a login system with user Authentication by Passport.js
- Provided back-end database operations using Mongoose.js with MongoDB

Weather Forecast Application | *HTML, CSS, JavaScript, Node.js* | <https://lihui-weather-app.herokuapp.com>

- Simple web App to display current weather by entering a city name
- Created an autocomplete location search box using Google Places API
- Used longitude and latitude to pull the information from OpenWeatherMap API
- Connected with APIs using fetch for the Front-End and Axios for the Back-End

RESEARCH PROJECT

Personality Traits in Human-Computer Interaction (HCI)

July 2021 – Present

The project is an interdisciplinary project supervising by Dr. Murray. The main goal is to explore whether personality plays a role in HCI by adding a new feature of the Big-Five personality test to recommend reading modes in Kindle iOS version.

- Plan for the Big-Five personality questionnaire and consent form for participants
- Prepare literature reviews and create six personas for the case study
- Establish a prototype for the current stage by Mockplus, Figma, and InVision