

OBJECTIVE

To contribute my passion and expertise in object-oriented programming and web development to an innovative workplace, while gaining practical experience in the IT industry.

COMPUTING SKILLS

Object-Oriented Programming: **Java, Python 3.5**

- IDEs: Pycharm, IntelliJ
- Describe data structures such as queues, lists, sets, maps
- Design and implement programs using classes, methods, loops
- Test and debug programs through exception handling, input validation
- Design and implement small GUIs

Web Development: **HTML/CSS/JavaScript/AJAX/Node.js**

- As a team, created a store website featuring interactive infographics
- Implement form input validation through regular expression checks
- Use jQuery AJAX to grab and display data from servers
- Configure a web server using Node.js

Software Version Control: **Git**

- Create and update GitHub / Heroku repositories using Windows Command Line

Relational Databases: **Microsoft SQL Server 2014 Management Studio**

- Generate outputs for database queries using SQL statements
- Designed a relational database by creating an Entity Relationship Diagram on Microsoft Visio 2010 and created the database in SQL Server 2014

Networking: **Protocols**

- Describe protocols at the physical, data link, network, transport, and application layers (OSI, TCP/IP, UDP, HTTP)

Data Analysis: **R Studio**

- Perform statistical analysis on data sets (eg. central tendencies, variance) in R
- Create graphical representations of data sets

Design Skills: **UI/UX**

- Apply design heuristics to websites/apps to create a satisfying user experience
- Describe web development processes using personas, customer journey maps, user flows, wireframes, and user testing

INTERPERSONAL SKILLS

- As a team, I presented technical specs and mobile app design prototypes to an audience of 25, maintaining enthusiasm and clarity
- Demonstrated reliability and responsibility as a customer service representative for Save-On-Foods
- As a volunteer at the Vancouver Aquarium, I enjoyed presenting and sharing ideas and concepts I'm passionate about

EDUCATION

Computer Information Technology (CIT) Diploma, BCIT, Vancouver, BC, 2016 – ongoing

- Coordinating with a team, we:
 - Created a store website for a hypothetical smartwatch using HTML/CSS/JavaScript – you can see it here: <https://homychen.github.io/FinalProject/>
 - Designed mock-up prototypes for a mobile app to complement the hypothetical smartwatch
 - Presented our concepts and designs to an audience of peers
- Using Node.js, I configured a simple website that takes an inputted image URL and a title and displays it on the website, while saving the inputs server-side – the image will be displayed until the next server reset
 - Check it out here: <https://homybcitacit2520online1.herokuapp.com/>

Bachelor of Science, Major in Biology, UBC, Vancouver, BC, 2011 – 2015

WORK HISTORY

Produce Clerk / Cashier, Save-On-Foods, Vancouver, BC. 2014 – 2016

- Maintained the inventory and aesthetics of the produce department through stocking and culling of products
- Memorized product locations and store details to answer customer inquiries
- Operated a cash register while offering patient and methodical customer service

Gallery Interpreter (Volunteer), Vancouver Aquarium, Vancouver, BC. 2013 – 2014

- Engaged with aquarium guests by enhancing their experience with exciting conversations about the exhibits
- Memorized important facts and details of animals and habitats to answer questions posed by aquarium guests