

Harold Lu

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Education

- Carleton University, Ottawa, ON** Sep 2019 – Apr 2022
Bachelor of Computer Science, Network Computing, Co-op
- Third Year Undergraduate, CGPA 11.6/12.0 (A)
- University of Ottawa, Ottawa, ON** Sep 2014 – Apr 2019
Bachelor of Science in Biopharmaceutical Science, Co-op
- Graduated Magna Cum Laude

Skills

Languages:

JavaScript, C++, Python, Java, C, SQL

Technologies:

Node.js, Express.js, MongoDB, RESTful APIs, PostgreSQL

Projects

- HealthCorner.blog, Healthcare Information in Canada** May 2018 – present
Co-founder and UX/UI Designer
- Designed and built the website using WordPress, HTML, and CSS, with over 4000 site visitors
- Consulted Chinese immigrants about their difficulties with finding healthcare information
- Trivia Web Application** Dec 2019
Class Project
- Built several trivia web applications with servers that allow for sessions, account creation, and game hosting using JavaScript and HTML with NodeJS and the Express.js web framework
- Fishing Competition** Nov 2019
Class Project
- Programmed a C game, incorporating principles of Systems Programming, including memory allocation and deallocation, single and double pointers, and C typedefs and structs

Professional Experience

- School of Computer Science, Carleton University** Jan 2020 – May 2020
Teaching Assistant
- TA for COMP1406, Introduction to Computer Science II (Object-Oriented Programming)
- Communicate requirements for assignments and conduct tutorials and office hours
- Department of National Defence** Sep 2019 – Dec 2019
Real Property Portfolio Analyst
- Critically reviewed project and business documentation for the National Defence Science and Technology infrastructure portfolio, to be used in the construction of new infrastructure
- Developed and led system for digitization, centralization, and archiving of project files
- Canadian Health Measures Survey - Statistics Canada** May 2019 – Sep 2019
Research Assistant
- Conducted diagnostic and UI testing on a new web-portal for the purchase and usage of biological specimens by Canadian and international researchers
- Assisted in the addition of new tests to the laboratory assessments in future cycles by producing research reports on oral and gut microbiomes