

Chantal Ho

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EDUCATION

Hons BSc., 4th year Bioinformatics and Computational Biology Specialist

Sep 2015 - Jun 2019

University of Toronto, Toronto, ON

Courses taken: Data Structures, Programming on the Web, Introduction to Databases, Software Design, Mathematical Expression and Reasoning for Computer Science, Software Tools and Systems Programming, Theory of Computation

WORK EXPERIENCE

Full-stack Developer

May 2017 - present

Princess Margaret Bioinformatics and Computational Genomics Laboratory

- Front-end data visualization, back-end logic and integration, database administration/optimization, UI/UX and graphics design
- Stack/tools used: d3.js, Ruby on Rails, MySQL, HTML/CSS, Photoshop
- Web apps I worked on: PharmacODB (<http://pharmacodb.ca>), Drug Network Fusion (<http://dnf.pmgenomics.ca>), XevaDB, Pachyderm

Front-end Developer

Sep 2016 - May 2017

Provart Lab, University of Toronto

- Created an ePlant Navigator phylogenetic tree using d3.js, JS, jQuery for ePlant. (<http://bar.utoronto.ca/eplant>)
- Mentored an undergraduate student during his project in d3.js/Cytoscape.js for ePlant.

SKILLS

Expert	JavaScript(d3, jQuery), Ruby on Rails, Python, HTML/CSS, REST, MySQL
Intermediate	React, NodeJS, Express, Java, C
Learning	MongoDB, Bootstrap
Other	Adobe Photoshop/Illustrator, Git/GitHub, Unix/Linux, R

PROJECTS

d3 Plots

Personal

A compilation of plots in d3.js with demos - UpSet, donut, bar, waterfall.

Recapify

Personal

A web app in Ruby on Rails and d3.js using the Spotify API to display top tracks and artists in collage form.

Summarized

Personal

A simple dynamic web app in React that displays the time and a to-do list.

Moodvie

Course-work

A single-page web app in NodeJS, Express, MySQL, and HTML/CSS using TheMovieDB API that displays and recommends you movies based on a questionnaire, with REST APIs for user management and a movie database.

RESEARCH

Research Student Reimand Lab, Ontario Institute of Cancer Research

Sep 2018 - present

- Scripting in R for processing/statistical analysis of RNA-binding protein datasets.

Research Student Parkinson Lab, SickKids Research Institute

Sep 2017 - Apr 2018

- Scripting in R, Python and Bash for processing/statistical analysis of fecal microbiome datasets.