






Lynn Yang

Full Stack Developer | Healthcare Professional

Once a frontline health care worker, now a full-stack developer specializing in both frontend and backend development. I am excited to get behind the desk, create solutions and solve problems for people. My goal is to merge the best of both worlds to help clients and organizations grow.

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SKILLS

ReactJS	Javascript
Node.js	ExpressJS
Django	Python
HTML	CSS
JQuery	AJAX
Redux	Bootstrap
Materialize	Git
GitHub	Typescript

CERTIFICATIONS

Software Engineering Immersive General Assembly	September 2021
Python Programming General Assembly	June 2021
Medical Laboratory Technologist (General) College of Medical Laboratory Technologist of Ontario (C.M.L.T.O)	April 2018

PROJECTS

Battleship | Javascript, HTML, CSS
<https://klynnyang.github.io/battleship/>

- Developed a browser based game for users to play Battleship against computer AI.
- Javascript used in creating object oriented functions and event listeners were added for sprite manipulation.
- Utilized Figma for wireframe and Trello for managing tasks during development.

Game Catalog | Node.js, ExpressJS, MongoDB, Google OAuth
<https://catalog-for-games.herokuapp.com/>

- Made RESTful API fetch calls to an Express, MongoDB, Node.js backend handling all create, read, update, delete (CRUD) operations.
- Used Mongoose to define Schemas for MongoDB collections.
- Utilized Google OAuth for gmail login and Imgur API for uploading images.
- Used Lucidchart for planning ERD and Trello to track and manage MVP, ice box items and user stories.

Expense-O-Track | Python, Django, Postgresql, JQuery, AJAX, Javascript, AllAuth
<https://expense-o-track.herokuapp.com/>

- Application utilizes the full stack framework Django and Python for full CRUD operations.
- Used the RDMS Postgresql to store data on the backend.
- Integrated AJAX request and JQuery with Django to allow web pages to update asynchronously.
- Plotted line graphs and bar charts with Chart.js, Javascript and JQuery.
- AllAuth utilized for email & social media log in.

Paway | Javascript, React, Node.js, MongoDB
<https://paway.herokuapp.com/>

- Collaboratory MERN stack SPA with full CRUD operations hitting all RESTful API calls.
- Used Google Maps API and Places Autocomplete to find locations searched, translated to latitude, longitude and zip code, and mapped dynamically.
- Utilized Nodemailer JS for sending email notifications and react share API for social media share.
- Styled the visual aspect of the SPA with Bootstrap, MDB, Materialize UI and CSS3.

WORK EXPERIENCE

OAHPP - Public Health Laboratory (Toronto) - Molecular Diagnostics/Virus Detection (January 2019 - July 2021)
Medical Laboratory Technologist

- Maintained and operated the Real-Time PCR analyzer Cobas 8800/6800 for the detection of COVID-19.
- Reviewed QC results through Unity Real-Time and performed troubleshooting when QC fell out of acceptable ranges.
- Processed routine or STAT specimens and relayed results to responsible health care professionals within specified turn-around-time.

UHN - Toronto General Hospital - Hematology Department (May 2018 - May 2020)
Medical Laboratory Technologist

- Operated and performed maintenance on the SYSMEX XN-9000, CS-5100 and SP-10
- Performed 100 cell differentials and malaria screen on peripheral blood smears.
- Reconstituted reagents and performed PT, aPTT, UFH, LMWH, D-Dimer, TT and Fibrinogen on the SYSMEX CS-5100 coagulation analyzer.
- Operated and performed semi-automated PT & aPTT on the STA Compact Max coagulation analyzer.
- Performed ESR, manual Reticulocyte Count, Sickle solubility, Malaria Rapid Screen, manual Hematocrit, UFE, and manual counts for RBC, WBC & PLT.
- Prepared cytospin slides for body fluids (Ascites, Pleural, Pericardial, Peritoneal, Synovial, Bronchial washing and CSF).

St. Michael's Hospital (September 2017 - February 2018)
Medical Laboratory Science Student

- Interpreted culture results from blood cultures, wound swabs, sterile fluids, and non-sterile fluids.
- Performed E-test, Double Disc Diffusion, ERM gene and other sensitivity testing on microorganisms.

OAHPP - Public Health Laboratory (Toronto) - Research Department (May 2016 - August 2016)
Summer Research Student

- Investigated Streptococcus pyogenes (GBS) for a novel variant of the pilus island 1 backbone protein, the paper was published in the Journal of Medical Microbiology in 2017.
- Streaked GBS for overnight growth and harvested GBS into Todd-Hewitt broth for DNA extraction.
- Extracted GBS DNA, prepared PCR mastermix and performed multiplex PCR on the Thermo-cycler BioRad C1000 & S1000.
- Performed gel electrophoresis on 1% agarose gel followed by SYBR gold staining.

EDUCATION

General Assembly (July 2021 - September 2021)
Software Engineering Immersive

General Assembly (February 2021 - April 2021)
Python Programming

The Michener Institute of Education at UHN (September 2015 - March 2018)
Advanced Diploma Medical Laboratory Science

University of Waterloo (September 2007 - May 2013)
Bachelor of Science (Honors) Science