CONNIE HO

Full Stack Developer & Engineer

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SKILLS

Languages

Python Javascript Ruby

C HTML CSS

Front-End

React jQuery Material UI

SASS Bootstrap

Back-End

Flask Node Express Rails

MongoDB PostgreSQL

SQL Server MySQL

Tools & Technologies

CircleCI Netlify Heroku

Storybook Cypress Figma

Visual Studio Code Git

Other

Matlab Visual Basic Latex

Minitab Visio PowerBI

VMGSim (HYSYS/ASPEN equiv.)

EDUCATION

Diploma in Web Development
Lighthouse Labs 📅 2021

Certificates
UC San Diego 📅 2021

- Algorithmic Toolbox
- Data Structures

BSc. Chemical Biomedical Engineering
University of Alberta 📅 2018

- First class standing with distinction (GPA: 3.9/4.0)
- Awarded $15,000+ in scholarships

PROJECTS

Caffa 🔗

- A coffee enthusiast's platform that allows one to search and learn more about a coffee just by taking a picture of it
- Tech Stack: React, Firebase, Express.js, PostgreSQL, Material UI, SASS,
- APIs: Google Vision, Google Maps, Yelp

Smart To-Do List 🔗

- A to-do list that uses natural language processing to auto-categorize task items and auto-generate item specific details
- Tech Stack: jQuery, AJAX, Node.js, Express.js, SASS, PostgreSQL
- APIs: Google Cloud Natural Language, Google Search, Yelp, Amazon, MovieDB

Scheduler 🔗

- A scheduling application that allows multiple students to simultaneously book, update and delete appointments with mentors
- Tech Stack: React, Express.js, WebSocket, PostgreSQL, SASS

EXPERIENCE

Reservoir Engineer Imperial Oil 📅 2018 – 2020 📍 Cold Lake, CA

- Improved performance of 2000+ wells through forecasting, analysis of large data sets using SQL, VBA and worked with multi-disciplinary teams to implement optimization opportunities
- Managed and completed economic evaluations for minor capital and operational projects with a combined value of C$50M/yr
- Developed algorithms to automate determination of equipment set-points and alleviate operator workload, valued at C$10M/yr
- Led departments of incident management teams responding to emergency events such as blowouts, COVID-19 control and turnaround optimization
- Co-founded the network advisory program to foster community between new graduates and senior management

Tailings Student Imperial Oil 📅 2017 📍 Calgary, CA

- Led tailings recovery improvement project to increase facility reliability by >50% through design of experiments, multivariate analyses, coordination of team members and hands-on execution of lab tests

Device Technology Intern Nippon Telegraph & Telephone 📅 2016 📍 Atsugi, JP

- Designed and fabricated novel biosensors while working safely and efficiently with delicate procedures, biohazards and dangerous chemicals in an airtight laboratory setting

Research Assistant University of Alberta 📅 2015 📍 Edmonton, AB

- Assessed significant factors influencing human torso asymmetry by developing contour maps on 3D CAD models, published key findings as first author and presented findings at the CMBBE Symposium in just under 5 months