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Jennifer Heckel

SKILLS

- Python
- React
- JavaScript
- TypeScript
- CSS/HTML
- SQL
- Object Oriented Code
- Bash Script
- MIPS
- R
- Git
- Power BI
- Microsoft Excel

CERTIFICATIONS & QUALIFICATIONS

- French Immersion Certificate.
- A2 Goethe-Institute Exam for German.

MEMBERSHIPS & ACCOMPLISHMENTS

- Waterloo Outers Club – Member.
- Mathematics Society – Member
- Laurier University Charity Council – Member.
- New Venture Competition – Semi-finalist.
- Pepsi Co Pitch Competition – Semi-finalist.

EDUCATION

UNIVERSITY OF WATERLOO, Honours Bachelor of Mathematics — Awarded Jun. 2023

WILFRID LAURIER UNIVERSITY, Honours BBA — Awarded Jun. 2023

PROJECTS

WEATHER NOW

Oct. 2023 – Present

Interactive local web app with visual responses to current weather

- Integrated third-party SOAP API to provide real-time weather updates.
- Used React Suspense functionality to provide fallback while children render.
- Applied JavaScript's Geolocation API to access user's current location via browser.

PERSONAL WEBSITE

Jun. 2023 – Oct. 2023

www.jenniferheckel.ca

- Created using React, JavaScript, HTML, and CSS.
- Incorporated seamless tab transitions using React routers.
- Created responsive webpages that adapt layouts according to user screen size.
- Incorporated the use of state to update webpage according to user choices.
- Utilized Git and GitHub to track, save, and deploy the website's repository.

RELEVANT COURSEWORK

Jan. 2022 – Jun. 2023

DATA STRUCTURE & TYPES

- Applied abstract data types (ADTs) and data structures, such as Sets, Stacks, Queues, Lists, Dictionaries, Priority Queues, Trees, and Graphs, and their optimal applications.
- Provide user and client solutions using ADTs to solve real-word problems.
- Employed Object Oriented Code within Python utilizing ADTs to provide user solutions.

ALGORITHMIC PROBLEM SOLVING

- Determined which algorithm was best suited for real-world problems. Algorithms include exhaustive search, divide-and-conquer, greedy, DFS/BFS, backtracking, & dynamic programming.
- Assessed solution running time, best to worst-case complexity, and lower and upper bounds.

COMPUTER ARCHITECTURE & COMPUTER SYSTEMS

- Utilized MIPS, a low-level assembly language, within a Linux environment to develop several projects in which a strong understanding of CPU and memory was used to store values, iterate through arrays, and invoke subroutines.

WORK HISTORY

UNDERWRITING ASSOCIATE, FINANCIAL LINES

Sept. 2019 – Jun. 2021

Chubb Insurance Company of Canada

- Responsible for an annual portfolio of 100+ accounts with renewal premiums up to $40K.
- Underwrote risks to a given company's financial, operational, and industry exposure.
- Constructed a data set of historical claims utilized by upper management to identify potential future exposures and devise department strategies.
- Identified cross-sell and new business opportunities, as well as increased the number of policies purchased by existing clients through their respective brokers.
- Aided in a department-wide teaching training manual to integrate new-hires.

WIRELESS LIFECYCLE ANALYST, CO-OP

Jan. 2018 – Apr. 2018

Rogers Communications

- Conducted statistical analysis of campaign performance data sets and presented growth opportunities to senior management.
- Created an automated Excel scorecard that compared historical sales performance.
- Analysed internal reporting systems to expound anomalies in sales performance trends.