Nada Elnour

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NElnour ⬛

nelnour.github.io 🌐

Skills

HTML5 + CSS3, JavaScript (ES6), REST API, NoSQL, PostgreSQL, Git, PHP, OOP, Agile, MVC, Linux

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Education

Pursuing BSc Bioinformatics & Computational Biology | University Of Toronto — 2008 – now
MSc Cellular & Molecular Medicine | University Of Ottawa — 2014 – 2016
HBSc Medical Science | Western University — 2010 – 2013

Projects

SendFoodz PWA | JavaScript, Vue.js, REST API, Firebase, Cloud Firestore, Agile ⬛ 🌐
- Chosen to work in a team of 7 in an *agile development* setting to develop an application that facilitates food donation to food banks
- Developed back-end data access objects, models, and services with *JavaScript* and *Firebase* to manage the **Cloud Firestore (NoSQL)** database
- Followed REST guidelines to implement *RESTful* CRUD endpoints in *Firebase* backend
- Designed the chosen user interfaces of two web applications and a native mobile application using *Figma*
- Co-developed front-end dashboard UI with *Vue* and mobile UI with *Nativescript-vue*

fortnite 2-D MMOG | HTML5 + CSS3, JavaScript, jQuery, React.js, Node.js, REST API, SQLite3
- Collaborated with a partner to create a single-page application hosting a 2-D version of Fortnite using *HTML5*, *CSS3*, *JavaScript*, *jQuery*, and *AJAX*
- Co-developed *SQLite3* database's schema and *RESTful API* endpoints for accessing and updating user info
- Coded controller functions responsible for player and ammunition animation, sound effects, object removal from *HTML5 Canvas*, *AJAX* requests to back-end to fetch and update player statistics, and conditional display of DOM elements with *jQuery*
- Refactored fortnite 2-D user interface to *React* + *Material UI* improving mobile responsiveness

Online Games Collection App | HTML5 + CSS3, PHP, PostgreSQL, MVC
- Collaborated with a partner to develop a **single-page application** that hosts four games: Guess Game (given), 15 Puzzle, Peg Solitaire, and Mastermind
- Developed Peg Solitaire (*MVC*) and co-developed Mastermind (MV) using *HTML5*, *CSS3* and *PHP*
- Designed and developed statistics page to display user scores and ranking among other players
- Co-architected *PostgreSQL* database schema and triggers to track user registration and statistics

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Experience

Website Designer | NHS Property Management — Jul – Sept 2019
- Negotiated with NHS Property Management to design their company's website using HTML5, CSS3, and Bootstrap 4
- Successfully built and deployed company's website at nhsproperties.ca 🌐

Research Assistant | University of Toronto — 2017 – 2019
- Led and managed an industrial collaboration (NSERC Engage) on microbial characterization of sour-beer wort
- Contributed to a successful grant application (OCE-VIP1) by: planning the budget and resources; reviewing literature; and designing the experiments, budget, and milestones

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Hobbies

Origami   Acrylic pouring   Reading