Mohamed Abbasi

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EDUCATION

Carleton University   Ottawa, Ontario

Bachelor of Computer Science, Software Engineering Stream   *September 2020 - Present*

- Minor in Mathematics and Co-op Option
- Second-year standing, 11.33/12 (A)
- Clarence C. Gibson Scholarship & Goldie Wilkinson Scholarship
- Dean's Honour List 2020/21
- Anticipated graduation date: May 2025

AVAILABILITY

Available for 4 months or 8 months beginning May 2022

WORK EXPERIENCE

Research Assistant   May – August 2021

Carleton University   *Ottawa, Ontario*

- Assembled various projects and assignments in C by implementing process management through multiple threaded programs within a Linux Virtual machine provided by Carleton University
- Lead the design and implementation of concurrent systems and inter-process communication application in collaboration with a Carleton professor
- Developed and debugged various project code for the summer, while carefully analyzing different types of errors or modifying code to improve efficiency and performance, as well as implementing bug fixes leading to decreased run times in a UNIX environment

APPLIED PROJECTS

Portfolio Website | *React.js, Next.js, Styled Components, Git, Vercel*   December 2021 – Present

- Designed and deployed a responsive personal development portfolio website using JavaScript and Vercel, to document my progress as a developer, available at: mohamedabbasi.vercel.app
- Used React to create reusable UI components, NEXT.js to build server-side rendering & static applications and styled components to enhance CSS for styling React component-level systems

Restaurant Ordering System | *Express.js, Node.js, REST, Pug & MongoDB*   October – December 2021

- Created a Full Stack web application following RESTful design that implements a restaurant's client & server side paradigm, primarily focusing on: endpoint consistency, navigation paths, requests and data handling
- Designed a login, logout and register feature in the server while storing the orders & clients using MongoDB, and collected session data from Express to track each client's recent purchase

Electronic Store | *Java, JavaFX*   March – April 2021

- Developed an Electronic Store in JavaFX by maintaining a highly responsive graphical user interface and applied the understanding of the Model/View/Controller paradigm in an object-oriented environment
- Achieved the goal of maintaining a separation between the GUI and the underlying electronic store model with a continuation of applying the principles of OOP, such as encapsulation

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SQL
Frameworks: React, NEXT.js, Node.js, Express.js, MongoDB, WordPress, REST API
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Atom
Libraries: Flask, Django, requests, Matplotlib & BeautifulSoup