yassine@boutahar.dev

Yassine Boutahar

www.boutahar.dev

Work Experience

Department of National Defence   **Software Developer Intern**   **Jan 2021 – Present**
- Incoming intern

Signiant   **Full Stack Developer Intern**   **Sep 2020 – Dec 2020**
- Implemented various frontend dashboard tools in **React** used across multiple client-facing products
- Created an **AWS lambda** to process user status events and relay relevant information to a billing service
- Integrated cloud-based **Elasticsearch** for active and historical user data
- Implemented a **backend API** to pipe a CSV string of user activity history to product's frontend
- Updated and maintained unit, component and automation testing using **Jest** and **TestCafe**

Apption   **Full Stack Developer Intern**   **May 2020 – Aug 2020**
- Created **Node.js** based end-to-end testing suite using TestCafe to robustly verify rendered DOM integrity
- Designed and implemented **SQL** backed survey using Blazor with validation and confirmation screens
- Built a file upload service in **.NET Core C#** with Blazor frontend to manage user documents
- Created an internal license generator C# tool with dynamic **Blazor** frontend for variable client permissions
- Added a careers section and redesigned page footer for company's **React** site

BD2I Inc.   **Software Developer Intern**   **May 2019 – Dec 2019**
- Developed a multi-panel dynamic mobile application using **Swift 4** and **Java**
- Created and managed a mobile login/sign-up system with dynamic text entry using **Firebase**
- Implemented native media players into app to stream content from URLs and local files
- Built a **face detection** sequence in Swift to perform action upon user introduction

Education

Ottawa, ON   **Carleton University**   **Sep 2018 | Apr 2022**
- BCS Honours in Computer Science with Minor in Psychology (3.9/4.0 Major GPA)
- Relevant coursework: Web Applications, Software Engineering, Discrete Structures, Design and Analysis of Algorithms, Database Management, Abstract Data Types and Algorithms

Skills

- Languages: Java, Python, Javascript, C, C++, C#, Blazor, React, React Native, Swift, Typescript
- Tools: MongoDB, PostgreSQL, Node.js, Firebase, NET Core, PyTorch, TestCafe, Jest, Google Cloud Platform, AWS Lambda, Spring Boot

Projects

Find Living Space *Node.js, MongoDB, Python, React*   More at www.boutahar.dev

Helps students find affordable housing within accessible distance of their work/university
- Populate MongoDB database with listings scraped from many renting sites using a Python script
- Dynamically plot accessible houses on a map using MapBox API
- Calculate walking distance between coordinates using Google Maps API
- Query Mongo database for listings that match user-defined criteria

3K5 Books *Node.js, PostgreSQL, React*

Store and retrieve various entities such as users, books, authors, orders, etc. in a PostgeSQL DB
- Dynamic search function for finding books to order
- Register, login, add to cart and submit order functions among others
- Admin mode for bookstore owner to manage book inventory and publisher payouts