

Ilias Allek

iliasallek.aek@gmail.com | 438-998-0902 | Montreal, Quebec | <https://iliasallek.com> | <https://github.com/Allek97>

WORK EXPERIENCE

Web Developer

Freelance

April 2022 – Present

Montreal, QC

- Designing and building responsive website using **React, NextJS, Prisma, PostgreSQL, Bootstrap** and **SCSS**
- Implementing and configuring a headless CMS for client to edit their content (**Contentful**)
- Preparing multiple designs and wireframes using **Figma** for client's approval before development.
- Implementing an **express** server to handle blog comments using **Prisma** with **PostgreSQL**
- Exceeded client's technical needs by providing efficient and cost effecting web services which reduced cost by 20%

Data Analyst Intern

Ministry of Transportation of Quebec

June 2019 – September 2019

Montreal, QC

- Implementing a multicriteria analysis tool for construction projects of \$1+ millions (**Excel charts/VBA**).
- Simulating data and writing dominance tests to determine the best preliminary option for a construction project (**Python**)
- Participating on a study about an analysis of the impact of noise barriers on residential property values
- Handling and cleaning sampling databases that will be used for statistical tests (**SQL-Access**)
- Implementing permutation tests to test the robustness of model by varying several parameters (**Python**)

EDUCATION

University of Montreal

Bachelor of Mathematics with Minor in Computer Science, GPA: 3,57

February 2021

Montreal, QC

Relevant Coursework : Intro to Computer Science I, II • Object-oriented programming in C++ • Data structures • Introduction to Algorithms • Non-linear optimization • Fundamentals of Machine Learning

MAIN PROJECTS

Hiempsal E-commerce

<https://hiempsal.ca>

Ongoing

- Building **Nextjs/Typescript** fully functional ecommerce website powered by **Shopify Storefront API**
- Implemented extensive NextJS **REST API** routes with **Mongoose** to handle key functionalities such as reviews, questions, viewed products and wishlist
- Extensive focus on **regression** testing using **RTL** for unit/integration tests and **Cypress** for E2E tests
- Implemented a scalable and reusable hook architecture with **SWR** to handle and cache data coming from the servers
- Designed website with **tailwind/emotion** styled components and animated it with **Framer Motion**.
- Create and maintain fully automated **CI/CD** pipeline for code deployment using **CircleCI**.

Stockersa

<https://stockersa.netlify.app>

January 2022

- Building **React** app that provides financial news, data, and commentary, including stock quotes, business news, financial statements, expense reports and key information about companies.
- Leveraged and implemented **Financial Modeling Prep API**
- Implemented animated charts to visualize data using **recharts react library** and **Airbnb visx**
- Building my own proxy with **NodeJS/Express** to tackle CORS issues

Quest

<https://yourquest.netlify.app>

September 2021

- Built **React/Redux** application for visualizing pathfinding and maze-generation algorithms
- Implemented 20 graph algorithms such as BFS, DFS, Dijkstra, A* search, Bellman Ford, Prim and Kruskal

SKILLS

- **Programming Languages**: JavaScript, Typescript, Java, Python, SCSS/CSS/Styled-Components, VBA
- **Frameworks and Databases**: React, NextJS, Gatsby, Express, MongoDB, Mongoose, GraphQL, Prisma, PostgreSQL
- **Tools and Libraries**: Git, Postman, Figma, Contentful, React Testing Library, Cypress, Jest, CI/CD, Framer Motion