

Iskander Dauletov

Software Engineering | University of Waterloo

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TECHNICAL SKILLS

Languages: C++, C, JavaScript, TypeScript, HTML, CSS, SCSS, Bash, Python

Libraries/Frameworks: Vue.js, React.js, Express.js, Jest, Vue Testing Library, Material UI, Tailwind CSS, Bootstrap, Numpy, Scikit-learn, Pandas, Three.js, D3.js, Selenium

Developer Tools: Git, VS Code, Postman

Other: Node.js, MongoDB, Firebase, REST API, Netlify, Arduino, VirtualBox

EXPERIENCE

FEROOT SECURITY | Software Developer

January 2024 – April 2024

- Developed automated tests using **Jest** and Vue testing library for the **Vue** components on the code base increasing the test coverage by more than **8%** or more than **2500** functional lines and statements covered
- Implemented **4** new features for the product using **Vue** on the frontend and **Typescript** on the backend
- Fixed more than **10** different bugs in production to enhance UX and ensure the best possible software performance
- Refactored more than **50** files on the code base to make the code cleaner and more readable

HATCH CODING | Software Engineering Intern

May 2023 – August 2023

- Created 13 web applications with **30+** total features for a construction company using **JavaScript, React, REST API**
- Developed **12+** unit tests in **Jest** with **100%** coverage to improve code quality and maintainability
- Ensured cross-platform compatibility and friendly UI/UX across various devices using **Tailwind CSS**
- Conducted rigorous testing, troubleshooting, debugging, and optimization to ensure high-quality deliverables

SMARTNET | Software Engineering Intern

July 2021 – August 2021

- Devised and implemented algorithms in **Python** to find the shortest paths between **100s** of different real-world addresses for multiple vehicles using **Numpy, Scikit-learn, Pandas, and Selenium**
- Learned TCP/IP networking protocols system administrators apply on a daily basis
- Applied **Virtualization (Oracle VM VirtualBox)** to reduce operating costs and increase storage capacity by **5%**

PROJECTS

CONSTRUCTION ACTIVITIES LOG

June 2023 – July 2023 | [GitHubRepository](#)

- Applied knowledge of **React** to create functional website using function components and hooks
- Created a practical design with **Material UI** that uses **Firestore Authentication** when logging in
- Ensured data is saved safely using **Firestore** when designing a dashboard where users view construction activities

FITNESS CHATBOT

July 2023 – August 2023 | [GitHubRepository](#)

- Designed a chatbot that can help achieve fitness goals faster via custom **GPT3** model trained on tailored data
- Utilized **OpenAI API** so the client can retrieve completions based on trained data through secure https
- Structured all the API calls using **Netlify CLI** in order to deploy website safely without exposing the API key

CONSTRUCTION MATERIALS INTERNET STORE

July 2023 – August 2023 | [GitHub Repository](#)

- Designed a website that emulates an internet store where users can purchase construction materials online
- Engineered an algorithm via which users can shop for more than **50** products to suit their needs
- Implemented responsive design of the product web page via **Tailwind CSS**
- Developed a contact form via which users can get in touch and send an email via **Node JS**

DESIGN PROJECT

September 2022 – December 2022 | [GitHub Repository](#)

- Designed a machine that uses **image processing** to draw any image on a whiteboard
- Engineered the mechanism using plexiglass frame, stepper and servo motors, pulleys, belts, and **Arduino**
- Devised an algorithm in **C++/Python** for the circuit with a carriage to move freely across the whiteboard
- Drew an accurate image of the Course Professor and earned our team a final grade of **95%** in the course

PORTFOLIO WEBSITE

August 2023 – Present | [GitHub Repository](#)

- Developed a website that has the most up to date information about my experience, projects, contact information, and that has cross-platform design with friendly UI created with **Javascript** and **CSS** to ensure the best possible UX
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EDUCATION

- University of Waterloo – BSE in Software Engineering with **\$12,000 Annual Scholarship of Distinction**
- Cumulative average of **84%**