Iskander Dauletov

Software Engineering | University of Waterloo
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TECHNICAL SKILLS

Languages: C++, C, Javascript, Typescript, HTML, CSS, Bash, Python
Libraries/Frameworks: React.js, Express.js, TailwindCSS, Numpy, Scikit-learn, Pandas, Three.js, Jest, D3.js, Selenium
Developer Tools: Git, VS Code, Postman
Other: Node.js, MongoDB, Firebase, REST API, Netlify, Arduino, VirtualBox, MS Office

SUMMARY OF QUALIFICATIONS

- Strong understanding of front-end development from various side projects
- Great knowledge of REST APIs from developing side projects that involve the request response cycle
- Keen attention to detail from thorough debugging and testing of academic assignments and side projects
- Efficient time management and exceptional work ethic from balancing role as high school varsity soccer captain while completing 8 AP courses
- Excellent teamwork from thirteen years of playing organized sports

EXPERIENCE

HATCH CODING | Software Engineering Intern **May 2023 – August 2023**

- Developed 13 web applications for a construction company using **HTML5**, **Javascript**, **React**, **REST API**, and **Jest** and saved the company 160 hours of work per week
- Ensured cross-platform compatibility and friendly UI/UX across various devices
- 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 possible paths between hundreds of different real-world addresses for multiple vehicles using **Numpy, Scikit-learn, Pandas, and Selenium**
- Learned networking protocols system administrators apply on a daily basis
- Gained hands-on experience in **Linux** and **Virtualization (VirtualBox**)

PROJECTS

FITNESS CHATBOT **July 2023 – August 2023** | GitHub Repository

- Designed a chatbot that can help achieve fitness goals faster via custom **GPT3** model trained on tailored data
- Implemented **OpenAI API** where the user sends a request and gets back a fine-tuned completion based on trained data
- Structured a user-friendly functional website using **Javascript** and **CSS**
- Coded all the API calls using **Netlify CLI** in order to deploy website safely and not expose 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 a search bar using **Javascript** where users can find products based on either name or description of a product
- Implemented responsive design of the navbar and the product web page using **TailwindCSS**
- Developed a contact form via which users can get in touch and send an email via **EmailJS**

CONSTRUCTION ACTIVITIES LOG **June 2023 –July 2023** | GitHub Repository

- Developed a website that lets users keep track of construction activities using **React.js**
- Applied knowledge of **React** to create functional website using function components and hooks
- Created a login page using **Firebase Authentication** where users can log in either using their email or their Google account
- Ensured data is saved safely using **Firebase Firestore** when designing a dashboard where users view construction activities

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

EDUCATION

- University of Waterloo – BSE in Software Engineering with **$12,000 Annual Scholarship of Distinction**
- Cumulative average of 81.6%