Hunny Jaglen

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Education

Lakehead University **Sep. 2020 – December 2024**
Honors Bachelor of Science in Computer Science *Thunder Bay, ON*

Experience

Sliike, Inc. ***Company Website*** **Jan 2023 – Aug 2023**
Full Stack developer Co-op *Quebec, QC*

- Led the inception and execution of a cohesive web application, incorporating MongoDB, and seamlessly integrating three Next.js projects via a Turbo repository. Streamlined user account tracking, core application functionalities, and payment processing for enhanced performance and scalability, driving improved user satisfaction and facilitating business expansion
- Played a pivotal role in an agile development environment, actively contributing to sprint cycles to enhance and manage the company's deliverables, including the main website. Leveraged existing backend APIs to streamline data retrieval and enhance functionality, ensuring seamless communication between fronte and backend systems. This integration helped ensure alignment with business goals and customer needs, driving efficiency and effectiveness in project delivery.
- Demonstrated proficiency in developing innovative website components and much more, including a dynamic looping Hero section video, promotional discount pop-up tab, and limited-time countdown feature. Leveraged Next.js, TypeScript, and Sanity.io to deliver engaging user experiences and drive customer engagement.
- Leveraged Google Firebase and SQL to design and implement an intuitive Admin dashboard, streamlining content management processes and empowering stakeholders with actionable insights.

Projects

Ojibwe Dictionary ***Github, Link*** | *Nextjs, Python, Flask, Colab, Tensorflow, Google Cloud*

- Spearheaded the development of a groundbreaking Ojibwe translator by leveraging Next.js, Python, and Google Cloud technologies, and incorporating over 60,000 self-collected data entries for robust machine learning model training.
- Orchestrated the seamless deployment of the Ojibwe translator model on Google Cloud, optimizing backend API performance to efficiently handle user requests and ensure reliable service availability.
- Facilitated community engagement and content enhancement by integrating Firebase with the website, empowering users to contribute suggestions and corrections to enrich the linguistic resources available to the community.

Big Fish ***Github, Link*** | *React, JavaScript Canvas*

- Engineered an immersive and visually captivating 2D self-scrolling game, "Big Fish," employing advanced techniques in React.js and JavaScript Canvas to deliver a rich gaming experience.
- Utilized object-oriented programming (OOP) principles such as classes and interfaces to design and implement diverse enemy types and dynamically changing backgrounds, elevating gameplay complexity and engagement.
- Deployed the game on a dedicated server, ensuring seamless performance and accessibility for players, while leveraging scalable infrastructure to accommodate growing user demands and provide uninterrupted gaming experiences.

Cloud Translator ***Github, Link*** | *React, NodeJs, CSS, Vercel*

- Developed a comprehensive cloud-based Translator web application utilizing React.js and Node.js, showcasing proficiency in full-stack development and modern web technologies..
- Expanded the application's functionality by integrating over 21 languages for seamless translation capabilities, complemented by a language detection feature to enhance user experience and accessibility.
- Leveraged cloud hosting services to deploy the Translator website, securing a custom domain to enhance visibility and accessibility for users worldwide, while ensuring scalability and reliability of the platform.

Python bot for Crypto-trading ***Github,*** | *Python, Flash, Google Virtual Machine*

- Developed and implemented a Python trading bot utilizing Kraken API to analyze market trends, execute buy and sell orders, and optimize trading strategies.
- Hosted the trading bot on Google Cloud Platform virtual machines, ensuring 24/7 operation and accessibility via a Flask web application interface for remote monitoring and configuration adjustments.
- Employed machine learning models and advanced algorithms to identify profitable trading opportunities while minimizing potential losses, resulting in consistent returns on investment.

Technical Skills

Languages: TypeScript, JavaScript, Python, Java, C, C++, SQL, Tailwind CSS
Frameworks: NextJs, ReactJs, Turbo-repo, ExpressJs
Developer Tools:: Google Firebase, NodeJs, MongoDB, Rest API, GitHub, Sanity Content Management, Retool, Figma
Deployment Tools:: Google Cloud, Vercel, Heruko, AWS
Libraries:: Bootstrap, Bit components, Jira
Operating Systems:: Microsoft, Linux