

Zoli Digness

(306) 370-9610 | Edmonton, ON | zdigness@gmail.com | [LinkedIn](#) | [GitHub](#)

Education

University of Saskatchewan | B.Sc. in Computer Science

Graduation Date: June 2024

- **Concentration:** Software Engineering and Full Stack Web Programming
- **Related Coursework:** Data Structures, Artificial Intelligence, Software Engineering I, Full Stack Web Programming, Algorithms, Cloud Computing

Projects

Personal Portfolio | React, CSS, HTML, JavaScript, GitHub Pages

[Website](#) | [Repository](#)

- Developed a modern, interactive portfolio using React, showcasing a professional and engaging web presence
- Leveraged HTML/CSS, and JavaScript to ensure optimal performance across devices and screen sizes, improving compatible devices and user engagement by 50%
- Integrated a contact form using EmailJS, incorporating advanced routing and spam prevention features, resulting in a 40% increase in contact form submissions
- Established a CI/CD pipeline using GitHub Actions, enabling automatic site rebuilds and deployments within 60 seconds after each update, reducing manual deployment efforts by 80%

Screened | React, JavaScript, NodeJS, Express, PostgreSQL, Vercel, Render, Supabase

[Website](#) | [Repository](#)

- Designed a daily movie guessing game based on Letterboxd reviews, creating an engaging and interactive experience that attracts over 100 daily users
- Implemented web scraping and machine learning algorithms to filter top reviews, ensuring a unique and challenging experience for players each day and increasing user retention by 30%
- Developed a robust backend with NodeJS and Express, providing a modern RESTful API that facilitated seamless communication between the client and server
- Deployed the application on Vercel, leveraging its serverless architecture and automatic scaling to efficiently handle traffic spikes, resulting in 99.9% uptime and streamlined deployment workflows
- Executed CI/CD using Docker, Jest, and GitHub Actions, automating the build, testing, and deployment processing, which reduced deployment time by 70% and minimized the risk of bugs in production

Savor | Django, Python, PostgreSQL, CSS, HTML, DigitalOcean

[Website](#) | [Repository](#)

- Engineered a data-centric CRUD website for tracking and viewing spending habits
- Programmed using Python for its robust mathematical features and libraries to perform complex financial calculations with high accuracy, enhancing user trust in the app
- Developed a highly modular and reusable front end with Django, reducing development time by 40% and enabling easy future updates and maintenance
- Modelled budgets and spending with data visualization libraries like Matplotlib, providing users with clear and insightful visual representations of their financial data
- Deployed the application on a DigitalOcean Droplet, providing precise control over virtual machines and resource allocation, and ensuring scalability to handle traffic spikes

Skills

- **Languages:** Python, JavaScript, TypeScript, Java, C#, Rust, Scala, HTML/CSS
- **Technologies:** React, Node.js, Express, Django, MySQL, PostgreSQL, MongoDB, Git, Docker, REST, SOAP, Postman, Firebase, Jest, Pytest, AWS, EC2, Google Cloud