Krystian **Rusin**

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Education

Ontario Tech University | *Oshawa, Ontario*
BACHELOR OF ENGINEERING IN SOFTWARE ENGINEERING AND MANAGEMENT | *Sept 2018 – May 2023*

Skills

Languages: Python, Java, C#, SQL, HTML, CSS, Javascript, TypeScript, PHP
Frameworks: ReactJS, ExpressJS, TailwindCSS, Flask, Django
Technologies: Git, Linux, MongoDB, Firebase, AWS, Jira, Confluence

Projects

Instagram Recreation — *ReactJS, ExpressJS, MongoDB*
- Developed a full-stack recreation of the popular social media platform Instagram.
- Utilized ReactJS to build a faithful replica of the Instagram user interface.
- Designed and developed a RESTful API with ExpressJS for replicating core functionalities like user authentication, post creation, and data retrieval.
- Leveraged MongoDB for efficient data storage and retrieval of user information and posts.
- Integrated Firebase for secure image storage and management.
- Implemented a real-time messaging system using Firestore for instant communication between users.

https://www.krystianigclone.com

ObjectNova Landing page — *ReactJS, ExpressJS*
- Designed a user-friendly website prioritizing smooth user interaction and engagement through a modern and intuitive user interface.
- Integrated a seamless mailing system within the landing page to facilitate direct communication with the company.
- Employed industry best practices in web development, ensuring an aesthetically pleasing, responsive, and functional website. This includes utilizing version control tools, dedicated development environments, multi-stage testing processes, and methodical deployment strategies.

https://objectnova.ca/

Suspicious Activities Detection AI — *Python, OpenCV*
- Developed an advanced real-time system utilizing machine learning to detect suspicious and aggressive behavior.
- Created and annotated the datasets used for training.
- Trained YOLOv8 models to identify weapons.
- Trained a Random Forest model to analyze patterns in posture to classify aggression.
- Integrated the system with OpenCV for Python for efficient image processing.
- Implemented real-time alerts and notifications for security personnel.

https://github.com/kavanc/CAPSTONE
2022-2023

Work Experience

ObjectNova Inc — *Remote, CA*
FULL STACK ENGINEER — *November 2023 – Present*
- Thrived in a fast-paced, test-driven agile development environment at a startup, leveraging Jira and Confluence to streamline project management and documentation.
- Spearheaded the redesigning of the company's landing page, building a robust full-stack webpage using ReactJS, NodeJS, and Express
- Identified and addressed inefficiencies in the online appointment scheduling solution for small auto repair shops. Utilized Javascript and PHP to revamp the system, enhancing functionality and user experience. This led to a dramatic increase in client satisfaction for business that implemented the service.
- Automated routine database operations by developing utility scripts in NodeJS and PHP, implementing scheduled Cron jobs for increased efficiency, saving an estimated 4 hours of manual work per week.
- Designed and implemented a REST API using ExpressJS to streamline company mailing operations, leading to a 25% reduction in email processing