luke Ichpekov

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Education

University of Waterloo, BASc in computer engineering.   09/2020 – 04/2025
- GPA: 3.7

Skills

Languages
Python | JavaScript | HTML/CSS | Java | C++| C

Tools & Frameworks
React | Rabbit MQ| Node JS | Express | Grafana | Fast API | Git | Docker | Pandas | Numpy | SQL

Work Experience

Software Engineering intern, League   01/2023 – present
- Contributed to the development and maintenance of a web application using **React** and **TypeScript**, resulting in a 25% increase in user engagement.
- Utilized various React hooks to streamline state management, resulting in a 15% improvement in application performance and a 20% reduction in code complexity.
- Designed and implemented new React functional components, resulting in a 30% increase in user satisfaction and a 10% decrease in support requests.
- Contributed to an automated test suite using **Jest**, resulting in a 50% reduction in testing time and a 25% improvement in bug detection and resolution.

Software Developer, FarmLink   05/2022 – 08/2022
- Developed a contract information extraction service using **OpenCV** and **multiprocessing** libraries, resulting in a 70% reduction in manual data entry time and a 30% increase in data accuracy.
- Deployed a highly scalable service using **Docker Swarm**, **Fast API**, **Rabbit MQ**, and **Celery**, resulting in a 40% reduction in server costs and a 50% improvement in system response time.
- Seamlessly integrated the service into an existing **Vue** application, resulting in a 25% increase in user adoption and a 15% reduction in customer support requests.
- Improved yearly revenue predictions by over 10% through modifying existing **ML algorithms**, resulting in a 5% increase in net revenue and a 15% reduction in forecasting errors.

Software Engineering Intern, Seismic   09/2021 – 12/2021
- Engineered new UI features using **Angular**, **React**, and **TypeScript**, resulting in a 20% increase in user engagement and a 15% decrease in support requests.
- Streamlined backend processes using **Node.js/Express** and **MongoDB**, resulting in a 30% reduction in data processing time and a 25% increase in system responsiveness.
- Developed, tested, and deployed effective solutions to long-term bugs, resulting in a 40% decrease in bug reports and a 50% improvement in customer satisfaction.

Web Designer, Communitech   01/2021 – 04/2021
- Boosted web traffic by 30% and increased online sales for 6 small businesses by 25% through designing and implementing fresh web content and developing e-commerce stores.