Jeremy La

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Education

University of Toronto Sep 2020 – Jun 2024
Bachelor of Science in Computer Science (Co-op) *Toronto, ON*

- GPA: 3.80/4.00
- Relevant Courses: Software Engineering, Databases, Web Programming, Algorithms, OS, Security, AI

Skills

Languages: Python, Java, JavaScript, TypeScript, C, SQL, HTML, CSS
Frameworks: React, Express, Node, Flask
Technologies: MongoDB, PostgreSQL, SQLAlchemy, Selenide, Git, Docker

Experience

Software Developer Intern Sep 2023 – Dec 2023
Dash Hudson *Remote, CAN*

- Developed Python microservices using Flask and SQLAlchemy enabling users to connect their LinkedIn page to the Dash Hudson platform while collaborating with cross-functional teams, resulting in an early release 1 week ahead of schedule
- Designed and implemented an efficient task schedule using Celery and Kafka to periodically import 1000+ posts using the LinkedIn API, ensuring 95% data consistency between platforms
- Analyzed and optimized test suites using parallelization/pytest-xdist and efficient scaffolding, reducing automated test duration in the CI/CD pipeline from 30 minutes to 3 minutes
- Regularly monitored Datadog to log and fix bugs, significantly reducing error rate and response times by 75%

Full Stack Developer Intern Jan 2022 – Aug 2022
SAP Fioneer *Toronto, ON*

- Researched and built an API Hub using JavaScript and OpenUI5, used by several teams within the Fioneer organization to feature 10+ REST APIs with examples and documentation
- Created a Bash script to automatically convert OData XML specifications to OpenAPI JSON specifications for the Fioneer API Hub, saving 5-10 hours of manual effort
- Refactored 15+ UI Tests using Selenide and collaborated with the QA team to implement automated screenshots/videos of failed tests, significantly reducing test duration and debugging time
- Resolved 10+ security violations and code smells in Java and JavaScript ranging from major to critical urgency

Projects

TravNav | *TypeScript, React, Flask, Redis, Google Maps API* May 2024 – Jul 2024

- Developed a travel planning platform for users to plan efficient routes between several destinations using real-time data from the Google Maps API, saving users an average of 1 hour per planning session
- Optimized computation of routes and number of API calls using Redis, reducing API usage costs by up to 80%
- Implemented alternative planning algorithms using NumPy and NetworkX, improving computing times by up to 90%

StormAI | *React, Node, MongoDB, PostgreSQL, Spring, OAuth* Feb 2023 – Apr 2023

- Collaborated in a team of 3 developers to design and build a collaborative whiteboarding platform which leverages artificial intelligence to facilitate and improve productivity by 20%
- Implemented real-time editing, AI, rooms, and cursors using y-webrtc, allowing for a unique collaborative experience between as many as 10 concurrent users within a room
- Optimized saving and storage of whiteboard data, resulting in major improvements to responsiveness and reduced file sizes by up to 50%