

Jeremy La

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EDUCATION

University of Toronto

Sep 2020 – Jun 2024 | Toronto, Ontario

Bachelor of Science in Computer Science (Co-op)

- 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

Technologies/Frameworks

React, Express, Node, Flask, MongoDB, PostgreSQL, SQLAlchemy, Selenide, Git, Docker

EXPERIENCE

Software Developer Intern

Sep 2023 – Dec 2023 | Remote, Canada

Dash Hudson

- 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%**.
- Participated in peer code review, ensuring code is clean and well-organized in accordance with SOLID principles

Full Stack Developer Intern

Jan 2022 – Aug 2022 | Toronto, Ontario

SAP Pioneer

- Researched and built an API Hub using **JavaScript** and **OpenUI5**, used by several teams within the Pioneer 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 Pioneer 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 and refactored code to follow the MVC design pattern.

PROJECTS

TravNav

May 2024 – Jun 2024

TypeScript, React, Flask, Google Maps API

- Developed a travel planning platform for users to plan efficient routes between several destinations using real-time data from the official Google Maps API.
- Optimized computation of routes and number of API calls, reducing API usage costs by up to **80%**.
- Implemented alternative planning algorithms using **Numpy** and **NetworkX**, improving computing times by up to **90%**.

StormAI

Feb 2023 – Apr 2023

React, Node, MongoDB, PostgreSQL, Spring, OAuth

- Developed a collaborative whiteboarding platform which leverages artificial intelligence to facilitate productivity.
- 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%**.