# CLAUDIO LAU

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## TECHNICAL SKILLS

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|---|---|
| **Languages** | Typescript, Python, SQL, Bash, HTML, CSS/ SCSS |
| **Database** | PostgreSQL, Firestore |
| **Technologies** | Git, Unix, React, Node.js, Docker, Figma, CI/CD, GCP, Pub/Sub, Api Gateway |
| **Module Bundler** | Webpack, Rollup, Vite, Turbopack |

## EXPERIENCE

**Loblaw** **Toronto, ON**
Fullstack Developer *July 2021 - Current*

- Designed, built, and implemented a SaaS-based inventory and price optimization tool for the Pricing, Category, Planning & Allocation teams, significantly reducing labor hours and improving purchase behaviors.
- Utilized Next.js, Ag-Grid, and IBM Carbon to enhance the application's core functionality, aligning with client requirements. Worked with multiple state-management solutions including Redux, Redux-Toolkit and Zustand.
- Mentored and onboard team members for effective delivery and served as a scrum master for sprint planning and retrospective work, resulting in high-quality decisions.
- Established a component library with enforced linting and test coverage, utilizing prettier, eslint, and sonarqube to promote consistent design patterns and Storybook for faster UI development iteration.
- Designed and implemented normalized schemas using Prisma ORM, enabling data migration from Firestore to Postgres.
- Integrated Continuous Integration/Deployment Pipeline, pull requests, testing, and bug resolution to ensure seamless development and production.

Data Scientist July 2019 - July 2021

- Led the development of a hierarchy demand forecasting model, resulting in a 20% reduction in inventory levels at distribution centers.
- Migrated an existing time series model from VBA to Python and hosted the application on Google App Engine.
- Conducted research to gather user requirements from various business units across Loblaw's end-to-end processes, informing the development of data-driven solutions.

**Signate** **Tokyo, JP**
Software Developer Oct 2018 - Feb 2019

- Designed and implemented classification algorithm to identify potential candidates for hire based on their CV, additionally optimized learning curves and improved F1 score by 21% using heuristics.
- Built CLI application to allow users to fetch data and upload model for Data Science Competition Platform
- Documented APIs using Swagger to build, document, test and consume RESTful web services

## PROJECTS

**gu** E-commerce website using Google as Identity provider for Members only pages

**re-graft** Personal website powered by TailWind and Next.js

**aldebaran** Packaged UI component library as a testing playground using Rollup, Storybook and Chromatic

## EDUCATION

**Certificate in Data Science**, University of Toronto 2017 - 2020

**Bachelor of Science in Mathematics**, University of Toronto 2014 - 2017