

Isaac Abell

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EDUCATION

University of Toronto (B.S.) **Toronto, ON**
Data Science Specialist, Computer Science Major 2022-2026 (expected)

EXPERIENCE

SAP **Walldorf, Germany / Toronto, ON**
iXp Intern - Full Stack Developer May 2024 – Present

- Developed **SAP Demo Environment 2.0**, a web app that provides easy access to the entire SAP solution demo portfolio.
- Built the frontend using React and the backend with Spring Boot.
- The application is currently used by 20,000+ internal users and partners of SAP.

Intelligent Adaptive Interventions Lab **Toronto, ON**
Research Assistant September 2024 – Present

- Developed a webapp for the lab to facilitate testing of a teaching assistant AI.
- Developed a backend using FastAPI to integrate the AI model with the system.
- Built a React-based frontend and deployed the full-stack application on AWS.

Appex **Boston, MA**
Software Engineering Intern May 2023 - August 2023

- Helped optimize AWS usage, cutting company costs by \$2500/month.
- Created an app review summarization tool to identify common complaints and requested changes from user reviews on the app store.
- Developed the website for BonsAI: AI ChatBot Assistant **askbons.ai**.

Guavy **Victoria, BC**
Software Engineering Intern June 2021 - August 2021

- Developed server load tests to determine the limit of server operating parameters.
- Used Cypress to simulate a user's activity on Guavy's website in order to identify possible bugs.
- Developed web scraping tools using Puppeteer to maintain current information for Guavy's database.

SKILLS

Languages Python, Java, JavaScript, TypeScript, SQL

Frameworks & Libraries React, Spring Boot, FastAPI

Tools & Infrastructure nginx, AWS

PROJECTS

Thestudentbase.com(Down for maintenance) **October 2023 - Present**

- Developed an online marketplace for anyone with a University of Toronto email.
- Used Springboot hosted on an AWS EC2 instance for the back end and Javascript for the front end.

Cheap rentals near UTSG | [GitHub Link](#)**March 2023**

- Developed an application to help students find cheap apartment rentals near The University of Toronto, St. George Campus.
- Uses Selenium to scrape rental data, then uses Google's Distance Matrix API to find the properties with the best price/distance ratio.

Signal Trader | [GitHub Link](#)**June 2022 - August 2022**

- Developed autonomous stock trading program utilizing the Ameritrade API.
- Day-trades equities based on EMA, RSI, MACD and momentum.