

# Brendan Furtado

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## TECHNICAL SKILLS

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**Experienced Languages:** Java, Typescript, JavaScript, Python/Pandas, C/C++, SQL, R

**Technologies:** VueJS, ReactJS, Node.js, Express.js, Spring Boot, PostgreSQL, MySQL, AWS (EC2, S3, SQS), Google Cloud

**Learning:** System Design, Cloud Architecture (AWS Cloud Practitioner cert), Data Ingress, Full-Stack Development

## WORK EXPERIENCE

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### CAIS Group LLC.

New York, NY

Platform & Operations Technology Analyst

March 2022 – Present

- Employed ReactJS and Typescript to design and implement functional components, dynamic graphics, and visually appealing UI for the website's comprehensive rebranding initiative.
- Created and managed the testing framework for the public website. Advanced the testing coverage using Cypress for 90% of the site's functionality.
- Supported the development of the onboarding project of a large RIA, which possesses nearly 1000 accounts. Used MySQL, AWS S3, and wrote scripts to help automate and verify the onboarding of user profiles.

### Fitch Solutions

New York, NY

QA Analyst

May 2021 – March 2022

- Engineered new automation tests with Java and Selenium and broadened the test coverage of front-end UIs and functionality by refining over 100 tests.
- QA automation lead for an internal Content Management System (CMS), responsible for delivering financial data, country risk analysis, and industry research to global clients, successfully rebuilt the automation test suite, resulting in improved site performance & reliability, as well as software pipeline releases.
- Played a vital role in managing the development process by leading the automation of tests and overseeing release management, using Bamboo as the CI/CD framework, ensuring the delivery of software in an efficient manner.

### iScano Inc. - [Website](#)

Remote, US

Co-Founder

March 2020 – Present

- Founded the company with the vision of democratizing Point Cloud data and LiDAR-based workflows in the architecture and construction industries, providing solutions and empowering professionals to work more efficiently and effectively for their use-case.
- Spearheaded the creation and development of a proprietary, cloud-based workflow to scrub and normalize 3D point cloud data, including down sampling and preparation for client delivery with 3D models.
- Worked and collaborated with companies such as Linde, Unilever, IMAX, University of Toronto, and the Blue Jays.

### Interactive Brokers LLC. (IBKR)

Greenwich, CT

Software Engineer Intern

June 2019 – August 2019

- Devised and executed a simulation of failure modes in Zookeeper Ensembles and Apache Kafka Clusters, as part of a Database Failover project. Covering edge-cases to ensure proper data transfer flows for system & software failures.
- Lead the development of a robust and reusable suite of tests to validate client trading account access and account operations. Created a Java test framework using Selenium to achieve an automation goal of 80% for the same project.

## SIDE PROJECT

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Safe-Eat, Full-Stack Application ([Github Link](#))

2020 – 2021

- Led the development of a full-stack web application with Express serving a REST API and VueJS as the frontend.
- Designed and developed the application to collect, store, and socialize restaurant reviews specific to how they manage food operations to accommodate dietary restrictions.
- Integrated authentication, restaurant searches and profiles, and a star-review system. Incorporated a RESTful backend server for retrieving restaurant data and storing it through the usage of the Yelp API.

## EDUCATION

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### McGill University

Montreal, Quebec

Bachelor of Arts (B.A.) in Computer Science and Economics

Graduation Date: Jan 2021

## VOLUNTEERISM & INTERESTS

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**New York Cares** - Helped assemble, distribute, and clean-up food packages for the La Jornada food pantry in Flushing, NY.

**Interests:** Video Editing (Youtuber), VFX & Animation, Photography, Guitar, Authoring *Medium* articles, Weight Lifting.