

BENJAMIN SZWIMER

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in Benjamin Szwimer

BSzwimer

EXPERIENCE

Co-Founder

Zazzle Bot

June 2020 – Ongoing

Montreal, QC

- Built a twitter bot in Python using the Tweepy API hosted on GCP
- Used Jinja2 for templating HTML documents
- Stored user data in GCS for high availability

Software Engineering Intern

BreatheLife

May 2019 – Sept2019

Montreal, QC

- Shipped production code to enhance business-to-business and business-to-company platforms
- Built new user-interface features and functionality using React and TypeScript
- Implemented user data tracking mechanism to pipe data to the data science team
- Designed an automated PDF generation with all relevant data from users

PROJECTS

Image Classification

- Built a image classification tool for the visually impaired using Python.
- Used NLP coupled with textual comprehension mechanisms such as summarization to extract key information from text

Image Parallelization

- Applied different parallelization schemes to multiple PNG images that utilized unified and explicit memory alike
- CUDA was used to facilitate GPU processing
- Various algorithms created were pixel pooling, rectification and convolution.

Ride-Sharing Application

- Created a web and android mobile application using Java and Spring
- Technologies used were: SpringBoot (framework), JUnit and Mockito (unit testing), Heroku (cloud deployment), Maven (package management) and TravisCI (CI/CD)

EV3 robot 🏆

- Built a robot for a robotics competition for a Design Principles and Methods course using Lejos Java library.
- Received 3rd prize out of 55 teams.
- The robots capabilities were: localization, odometry, color recognition and other techniques for proper navigation

EDUCATION

B.Eng in Software Engineering

McGill University

Expected Graduation: December 2021

- 3.61/4.00 GPA
- Relevant Courses: Algorithms and Data Structures, Database Systems, OOP, Intro to Software Engineering, Parallel Computing, Operating Systems

HACKATHONS

StartupFest Hackathon

June 2019

StartupFest

McGill Hackathon

Feb 2019

McGill University

Boston Hackathon

Oct 2018

Boston University

Concordia Hackathon

Jan 2018

Concordia University

SKILLS

Python Java JavaScript
HTML/CSS C Swift

GCP MySQL PostgreSQL
React.js Django ios
Redux Spring Selenium

LANGUAGES

English
French



CERTIFICATES

- Modern React with Redux by Stephen Grider (Udemy)

EXTRA CURRICULARS

- Triathalons
- Reading
- Guitar
- Video Games