

Tyler Pharand

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portfolio: tylerpharand.github.io

Experience

Software Developer (Full Stack)

April 2020 – now

Stage TEN, Toronto

- Designed and developed GraphQL APIs which drive the interactive plugins on our live streaming platform (ie. chat, voting, e-commerce). Worked alongside frontend developers to integrate with said APIs on our web clients.
- Pitched a redesign of our e-commerce product to improve usability and simplify the technical implementation. Spearheaded this initiative and developed the necessary backend to support the redesign.
- Integrated with various third-party APIs (ie. Shopify, PubNub, Stripe) to further the development of our product.

Software Developer (Research and Data)

April 2019 – April 2020

Sensibill, Toronto

- Improved the accuracy of our AI engine by developing and maintaining the algorithms which process outputs of our neural network and OCR engines.
- Developed a tool for measuring the engine's accuracy on data sampled from production. This also allowed for creation of datasets in various languages and regions.
- Developed an API for our extraction engine and dockerized it. Turned the engine into an autoscaling microservice deployed on AWS using Infrastructure as Code.
- Trained an ML model for text detection as research for building an in-house OCR service.

Education

Bachelor of Engineering, Electrical

2018

McMaster University, Hamilton

- Focus on signal processing and power generation.
- Capstone - 2nd Place, Electrical Engineering.

Skills

Languages

- TypeScript (Intermediate)
- Python (Beginner)
- Java (Beginner)

Libraries / Frameworks

- React
- GraphQL
- Express
- TypeORM

Misc

- Postgres
- Docker
- AWS Infrastructure
- CDK (IaC)