

# MICHAL JEZ

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in michal-jez

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## Skills

### LANGUAGES

JavaScript

TypeScript

Java

C++

Python

C#

Scala

C

Bash

Ruby

SQL

### TOOLS AND FRAMEWORKS

React

GraphQL

Node.js

Git

Unity3D

MySQL

MongoDB

Angular

Django

Svelte.js

## Activities

Cooking

Cycling

Hockey

## Experience

### Faire · Frontend Developer Intern

Jan./'21 - Apr./'21

- Added incentives for users to refer UK brands driving referrals up 100x and kickstarting Faire's entry into Europe using React, Typescript, Styled Components and Mobx
- Built a generic static analysis framework to track usage patterns of React components within Faire codebases using the TypeScript compiler, AWS Kinesis and AWS Redshift
- Applied the framework to collect over 25M component usage datapoints on how the Faire component library has been used over time
- Created dashboards in Mode using SQL to visualize usage patterns of over 25 components to power data-driven decision-making for future API improvements

### A Thinking Ape · Software Development Intern

May/'20 - Aug./'20

- Revamped Idols, an underused Kingdoms of Heckfire feature to increase player value and monetization that received >90% positive feedback from players using Unity3D and C# on the game client, and Django, Python and MySQL on the backend
- Built a framework to track payload serialization metrics between microservices using Python and Graphite, and experimented with various algorithms to minimize response times

### Faire · Frontend Developer Intern

Sep./'19 - Dec./'19

- Implemented functionality for retailers to personalize items in their shopping carts - one of the most requested features on the platform - using TypeScript, React and Styled Components
- Developed a drag-and-drop email template builder for over 15,000 brands to easily craft emails to send to their customers using GrapesJS
- Created a homepage banner with call-to-actions that guided users to key parts of the site, achieving a 10% click-through-rate

### Shopify · Backend Developer Intern

Jan./'19 - Apr./'19

- Built a new GraphQL API in Ruby to power discount creation for over 800,000 merchants
- Designed the API with a simpler schema to replace existing solutions being used to handle over 1.5M requests per week from more than 70 third-party apps

### Hack the North · Frontend Team Lead

Feb./'18 - Dec./'19

- Managed a team of 3 developers to create hackthenorth.com, which received over 3M monthly page views, using TypeScript, React and Styled Components
- Created North, a reusable and themeable React component library written in TypeScript, to reduce code duplication and style inconsistencies across multiple codebases
- Engineered a single-sign-on platform to remove duplicate authentication logic from 8 Hack the North codebases

### Nest Wealth · Software Development Intern

May/'18 - Aug./'18

- Built an internal tool for viewing API request errors using Node.js, MySQL and Angular 6 which reduced discovery time from minutes to seconds
- Developed a query parser in JavaScript to convert a JSON query schema into executable SQL accessible from an Express.js API

## Projects

### Boxer

Feb./'20 - May/'20

- Built a Chrome extension augmenting the search bar with configurable keywords shortcuts bringing users to their favorite sites when typed, in Typescript
- Designed and implemented an accessible user interface to manage keywords using svelte.js

## Education

### University of Waterloo

Candidate for Bachelor of Software Engineering Class of 2022

Cumulative 90% average