Erick Zhao - Software Engineering Student

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EDUCATION

Bachelor of Software Engineering (B.S.Eng) - McGill University, Montreal, QC

Expected graduation Dec 2019

- Cumulative GPA: **3.69/4.00**
- J.B. Woodyatt Scholarship 2017 (academic excellency in electrical, computer, and software engineering)
- Dean's Honour List 2017 (top 10% of Engineering undergraduate students)

WORK EXPERIENCE

Shopify - Web Developer Intern

05/2018 - 08/2018

- Built first-party Shopify theme in **Liquid**, **SASS**, and **JavaScript** with focus on UX, web performance, and web a11y.
- Wrote internationalization build tooling in **gulp** for all first-party Shopify themes, improving developer workflow and market reach for themes used by thousands of merchants worldwide.
- Rewrote @Shopify/themekit **npm** package (~2,000 downloads monthly) by modernizing command API (better parameters, ESNext, Promises), modularizing code, and writing a full unit test suite in **Jest**.

Ubisoft Montreal - Web Developer Intern

01/2017 - 08/2017

- Built admin app in **AngularJS** with **TypeScript** and **LESS** to improve flow for live operations for multiple AAA titles, saving 10 person-hours per week and improving player experience for millions of daily users.
- Created new endpoints, fixed bugs, and wrote unit tests to improve liveops admin API in **C#** with **ASP.NET MVC**.

PERSONAL PROJECTS

Subreddit Sampler - *https://subreddit-sampler.herokuapp.com/*

02/2018

- Music discovery app made in **React** and **Express** that generates Spotify playlists from top Reddit links.
- Handles **OAuth 2.0** Spotify authentication to add playlist to Spotify accounts in 1 click.

ballr - *https://devpost.com/software/ballr-9v21gh/*

11/2017

- Drag-and-drop analytics tool to help basketball coaches decide timeout plays, front-end written in **React** and **Konva**.
- 2nd place prize overall for McGill CodeJam 2017 (over 200 participants).

invite-contributors - *https://probot.github.io/apps/invite-contributors*

10/2017

- GitHub extension that invites new contributors to a GitHub organization when a pull request they authored gets merged into a configured repository. Written in **NodeJS,** unit tested with **Expect**, and deployed with **Heroku**.

LEADERSHIP/EXTRACURRICULARS

VP Technical Development - Electrical, Computer, Software Engineering Student Society

2018 -

- Chair for upcoming student hackathon (McGill CodeJam 2018), leading 11-person committee to secure funding, connect with industry sponsors, handle logistics, and design promotional materials for a 200-student event.

Designer/Front-End Developer - HackMcGill

2018 -

- UI Design in **Figma** and **HTML/JS/CSS** implementation of landing page for McHacks 6 website, a hackathon with over 500 yearly participants from across North America.

VP Communications - Electrical, Computer, Software Engineering Student Society

2017 - 2018

- Graphic design, HTML newsletters, and for events in 1100-student department.
- Won McGill Engineering Undergraduate Society award for Departmental VP of the Year 2018.

Board member - Game Dev McGill

2017 -

- Graphic design and event logistics for 50-member game development club and 150-person game jam.

SKILLS

Languages: JavaScript/Typescript (3 years), CSS/SASS/LESS (3 years), C# (2 years), Java (3 years), C (2 years), OCaml (1 year)
Tools: React, Redux, GraphQL, Node, Express, AngularJS, Webpack, Gulp, Jest, TravisCI, Heroku, ASP.NET