

MAX PHAM

 [linkedin.com/in/maxphamm](https://www.linkedin.com/in/maxphamm)  github.com/maxeraph
 +1 (647) 647-7967  maxpham99@gmail.com
 maxpham.dev

TECHNICAL SKILLS

Programming	Java, Python, C, JavaScript, HCL, SQL, CSS
Frameworks	Spring Boot, Flask, React.JS
Database Systems	MySQL, PostgreSQL, MongoDB
AWS Services	Lambda, Cloudformation, Cloudwatch, EC2, ECS, API Gateway, S3, CloudFront

PROFESSIONAL EXPERIENCE

from May 2020
to Present

Software Engineer | Backend/Services, UKEN GAMES, Toronto

Professional Experience Year 2020-2021 Cohort

- Consolidated all documentation for organizational use to a single Wiki solution: [Wiki.JS](#). Deployed the service to AWS ECS as well as designed a robust permission structure with OneLogin authentication
- Designed, deployed and maintained Terraform system managing 400+ repositories and 100+ organization members on Github. Replaced the manual process, which allow for 90% time-saving hands off with admins and provide a version-controlled environment through scalable and simple configs
- Implemented serverless Slack bot to update company's service status, resulting in 100% cost reduction in AWS EC2 upkeep and usage fees of previous Web App solution
- Spearheaded the front-end codestyle enforcement for the main admin portal using [Prettier](#) through running Maven plugin during validation step in Jenkins. Reducing 50% of usual minor refactoring changes in feature Pull Requests.
- Main contributor to the company's website, powered by AngularJS

[Terraform](#) [AWS](#) [Python](#) [Docker](#) [IntelliJ Idea](#) [Bash-based CLI](#) [Maven](#) [Spring Boot](#) [Jenkins](#) [SAML2](#) [PostgreSQL](#)

EDUCATION

from Sept 2017
to Present

Computer Science Specialist | Honours Bachelor of Science, UNIVERSITY OF TORONTO

Expected graduation: May 2022

- Participated in multiple project courses to build software:
 - ext4-inspired file system with *ls*, *cd*, *mkdir*, *mv*, *rm* fully implemented using C on top of [FUSE](#)
 - Fully deployed application for compiling course information - See Portal below
- Co-founder and Technology Lead of the [Web Development club](#)
- Placed 2nd in [NewHacks 2020](#)

[CS GPA: 3.5/4.0](#)

PROJECTS

SDC TOOLS

JAN 2020 - MAY 2020

 github.com/MaXeraph/proj-FakeBirds

Delegated proportional tasks for all teams and members with Github Project. Developed the mapping between custom XML to JSON syntax and created the parser through pair programming. Lead designer of API endpoints and Electron-app packaging pipeline. Actively aware of security and privacy implications throughout the development cycle.

[Python](#) [Flask](#) [React](#) [Javascript](#) [Electron](#)

PORTAL

SEPT 2019 - DEC 2019

 github.com/MaXeraph/Portal  [Application](#)

Deployed the app on Heroku. Designed API endpoints based of RESTful specifications. Wrote script to populate Course Data from UofT's Calendar as well as pulling data from Reddit's API for related posts. Assisted in Front-end work with React and Tailwind. Bootstrapped Back-end system with Express.

[Heroku](#) [Reddit API](#) [MongoDB](#) [React](#) [Tailwind](#) [Express](#)

OPEN-SOURCE CONTRIBUTIONS

- Firefox: Compress flatpaks with xz instead of gzip
- Wiki.JS: Fix invalid usage of AWS S3 for renaming operations.

INTERESTS

- Video Game Development
- Microsoft Flight Simulator
- PC Hardware
- Vinyl Collecting