# Max Pham

- in linkedin.com/in/maxphamm
- ☐ +1 (647) 647-7967
- 🔗 maxpham.dev
- 🞧 github.com/maxeraph
- @ maxpham99@gmail.com
- 📍 Toronto, ON

## ⠿ 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