






# MAX PHAM

 [linkedin.com/in/maxphamm](https://www.linkedin.com/in/maxphamm)  [github.com/maxeraph](https://github.com/maxeraph)  
 +1 (647) 674-7967  [me@maxpham.dev](mailto:me@maxpham.dev)  
 [maxpham.dev](https://maxpham.dev)

## TECHNICAL SKILLS

**Programming Languages** Java, Python, C, Javascript, HCL, SQL, Bash  
**Frameworks** Terraform, Spring Boot, Flask, **React.JS**, Chakra UI  
**Database Systems** MySQL, PostgreSQL, MongoDB  
**AWS Services** Lambda, Cloudformation, Cloudwatch, EC2, ECS, API Gateway, S3, CloudFront

## PROFESSIONAL EXPERIENCE

from May 2020  
to Oct 2021

### Software Engineer I | Platform, UKEN GAMES, Toronto

- Reduced **100%** cost with Slack bot incident communication by moving to **AWS Lambda** from EC2
- Reduced **30%** unproductive commits by enforcing codestyle using Prettier plugin through Jenkins
- Managed **1000+** Github resources by designing **Terraform-based** system with input through **JSON**
- Increased campaign's outreach by **28%** with API scheduling system based of db-scheduler library
- Consolidated **100%** of technical documentation to a single Wiki solution: Wiki.JS. Deployed to **AWS** with authentication structure using OneLogin

Terraform AWS Python Docker IntelliJ Idea Spring Boot Jenkins

## EDUCATION

from Sept 2017  
to Present


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

CS GPA: 3.7/4.0 | Expected graduation: May 2022

- Participated in multiple project courses to collaborate building software
- Led a team of 4 to develop a pseudo-startup company to build adaptive offer generation solution
- Co-founder and **Technology Lead** of the Web Development Club

## PROJECTS

### MANGO APP

 Application

- Webapp for generating adaptive banking offers using ML and Statistical Analysis
  - Scaffolded and deployed the React frontend with Python Flask backend as well as PyTorch modeling service
  - Designed and Implemented frontend with ChakraUI along with custom authentication through Auth0
  - Setup and wrote tests for using TestingLibrary and Jest with acceptable coverage of 75%

React Auth0 Python Jest ChakraUI JWT

### PORTAL

 [github.com/MaXeraph/Portal](https://github.com/MaXeraph/Portal)  Application

- Webapp for compiles every piece of information about a course and its related Reddit posts
  - Implemented backend to populate DB with Course Data from UofT's Calendar and Reddit's related posts

Heroku MongoDB React Tailwind Express

### EXT4 CLONE

 Course Assignment

- ext4-inspired file system with *ls*, *cd*, *mkdir*, *mv*, *rm* fully implemented using C on top of FUSE

C libFUSE Linux

## OPEN-SOURCE CONTRIBUTIONS

- Firefox: Reduced installer size by 15% with bzip2 instead of gzip compression.
- Wiki.JS: Fix invalid usage of AWS S3 for renaming operations.
- Dev.to: Tutorial to implement Auth0 in React and backend services.