

Eric Pham

Software Developer

Ottawa, ON
(613) 879-9078

EricPham@cmail.carleton.ca
ericphamep.github.io
linkedin.com/in/ericpham27

EXPERIENCE

Software Developer Intern May 2021 – Aug 2021

March Networks / Ottawa, ON (Remote)

- Added to **Rest API** to support new features while maintaining code **consistency** and **quality** in monorepo
- Polished design and functionality of frontend in React, MobX, and TypeScript to improve **user experience**
- Connected the server to **AWS Batch** and **CloudWatchLogs SDKs** to display and report issues in the web client
- Converted a mock application design into a fully-functional frontend implementation
- Reported and fixed several bugs, such as integer overflows occurring at the **RPC** layer

Embedded Software Engineer Intern May 2020 – Dec 2020

Ciena / Ottawa, ON (Remote)

- Implemented essential features in **Agile** environment for automated testing software in Control Plane
- Developed feature that automatically reports software issues ranging from minor to critical by filling in **JIRA** tickets with sufficient information
- **Improved** installation process of software by creating setup script that seamlessly sets up the **Linux** and virtual Python environment
- **Accelerated** development of web application for testing software by creating proof of concept demo, using **Flask** server and **Socket.IO**
- **Documented** software information with instructions and background information including diagrams to clearly lay out new features for users

Teaching Assistant Sept 2019 – Apr 2020

Carleton University / Ottawa, ON

- Engaged hundreds of students during assignment evaluations by highlighting good programming practices and efficient algorithms
- Instructed and provided guidance to students during tutorials, demonstrated communication skills when explaining key coding concepts

SKILLS

- Languages: Javascript, Python, C++, Java
- Tools: AWS, Git, MongoDB, TypeORM
- Other: Typescript, HTML, React, Node.js, gRPC, SQL, Agile Methodology

INTERESTS

- Web Development, Rendering, AI

EDUCATION

Carleton University

Bachelor of Computer Science Honours,
Computer and Internet Security Stream,
Co-op, Minor in Mathematics

- Sep 2018 – Apr 2023
- **CGPA:** 11.88/12.0 (3.9)
- **Awards:** Carleton Academic Scholarship (2020), Tracey and Siva Ananmalay Scholarship in Computer Science (2020), Faculty Scholarships (2018/19), Dean's List (all terms to date)

PROJECTS

Frontend/Backend/Design Dev

eBook Store

- Collaborated with partner to create unofficial e-commerce book store
- **Designed** and implemented SQL database schema to store collections, books, users, authors, publishers, etc.
- Designed web store with React and Bootstrap for UI

Web Developer

Multiplayer Trivia Game

- Created a **multiplayer** trivia game that prompts users questions and checks answers, designed as a web app using Node.js
- Designed to host multiple games **simultaneously**, complete with chat rooms
- Implemented server with web APIs to build trivia rounds **quickly** and **efficiently**