

Eric Pham

Software Developer

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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 reporting feature to automatically report software issues by generating **JIRA** tickets with sufficient information
- **Improved** installation process of software by creating script that seamlessly sets up the **Linux** and virtual Python environment
- **Accelerated** development of web application by creating proof of concept using **Flask** server and **Socket.IO**
- **Documented** using instructions, context, and 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, 3D 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 (2018/2019), Dean's List (2019/2020)

PROJECTS

Frontend/Backend/Design Dev

eBook Store

- Collaborated with a partner to create an unofficial e-commerce book store by designing an SQL database schema and a static web store in React connecting to AWS.

Web Developer

Multiplayer Trivia Game

- A trivia multiplayer game that supports multiple simultaneous games with chat rooms. Hosted from a Node.js server for users to interact with each other. Uses web APIs to build trivia rounds quickly and efficiently.

Server Developer

Cell Tower Simulator

- A visual representation of simulated cars connecting to cell towers using C. Designed in TCP, sending data between servers (phone networks) and clients (car) using bitwise operators, multithreading and multiprocessing.