

Jay Nguyen

Software Engineering Student



EXPERIENCE

- **Ontario Power Generation** October 2017 - April 2018
Nuclear Refurbishment, Data Integrity, Reporting and Estimating
University Co-op Student
 - Developed the [Construction domain](#) for master data management using [EBX5](#) and [Java](#)
 - Developed a [data analysis tool](#) for the Estimating Team via [Access](#), [VBA](#) and [SQL](#).
 - Managed, automated, and enhanced [document database](#) for work plans and packages using [Excel](#) and [VBA](#)
 - Prepared [high level daily reports](#) for executives.
- **Euno Financial** May 2017 - August 2017
Full-Stack Developer Intern
 - Assisted in the migration of existing [codebase](#) from [Meteor](#) to [React](#)
 - Developed front-end features of [euno.financial](#) using [CSS](#), [HTML](#), and [Javascript](#)
- **Fiat Chrysler Automobile** Summers 2013 - 2015
Summer Student
 - Analyzed vehicular parts and data for [quality assurance](#)
 - Assisted in the creation and construction of automobiles in specialized teams



PROJECTS

- **GhostShip** 2017
 - A [Virtual Reality](#) theatre utilizing [peer-to-peer](#) streaming via [Node.js](#) libraries such as [socket.js](#)
 - Supports movie sync capabilities such as [synchronized pause and play](#), and [clock drift correction](#)
 - Front-end was built with the [Unreal Engine](#)
- **CUDA Image Processor** 2017
 - Image processor for [.ppm](#) files utilizing [NVIDIA's CUDA](#) for [parallelization](#)
 - Previous iterations utilized [OpenMPI](#) and [OpenMP](#) for [multi-threading](#) and [memory communication](#).
- **FitnessApp** 2016
 - Measures fitness levels through user data
 - Tracks run routes via [Google Maps](#)
- **Bomberman** 2015
 - Programmed in [Java](#) using [object oriented](#) principles.
- **HelpMeOut** 2014
 - A database and search service for students using [data structures](#) and [algorithms](#).



CONTACT



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EDUCATION

McMaster University

Bachelor of Engineering, Software
2013 - Present



LANGUAGES

Java, Javascript

C, C#, C++

MATLAB, SQL, VBA

Python

HTML, CSS



TOOLS

Git, Slack

Visual Studio, Eclipse, LaTeX, Vim

AutoCAD, Adobe Illustrator

Microsoft Excel, Microsoft Access

Windows, Linux



FRAMEWORKS

React, Node.js,

CUDA, OpenMPI, OpenMP



INTERESTS

Gaming: DOTA, RPG's, DnD

Music: Pianist

Arts: Plastic Models, Painting

Recreation: Tennis, Swimming,
Rock Climbing

Tech: Space