

# Jay Nguyen

Software Engineering Student






## EXPERIENCE

- **Ontario Power Generation** October 2017 - April 2018  
Data Integrity, Reporting and Estimating University Co-op Student
  - Supported and enhanced [project oversight activities](#) and scope of work for the \$12.8 billion nuclear reactor refurbishment project.
  - Developed and designed a [data analysis tool](#) for the Estimating Team using [Access](#), [VBA](#) and [SQL](#).
  - Managed, automated, and enhanced [document database](#) for work plans and packages using [Excel](#) and [VBA](#)
  - Developed the [Construction domain](#) for [master data management](#) using [EBX5](#) and [Java](#)
  - Prepared [high level daily reports](#) for [senior 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](#) and [C](#) 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](#)
- **Bombberman** 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

## FRAMEWORKS

React, Node.js,  
CUDA, OpenMPI, OpenMP

## TOOLS

Git, Slack  
Visual Studio, Eclipse, LaTeX, Vim  
AutoCAD, Adobe Illustrator  
Microsoft Excel, Microsoft Access  
Windows, Linux

## INTERESTS

**Gaming:** DOTA, RPG's, Dungeons & Dragons

**Music Instruments:** Piano, Guitar

**Arts:** Plastic Models, Painting

**Recreation:** Tennis, Swimming,  
Hiking, Rock Climbing

**Tech:** Space, AI, Interfaces