

# Hoang Do

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## EDUCATION:

Computer Engineering Technology – Computing Science Co-op Program, Algonquin College  
*Algonquin College of Applied Arts and Technology, Ottawa ON*  
Sept 2019 – Present  
Dean's Honours List - GPA 3.84 / 4.0

## SKILLS:

### AREA OF EXPERTISE:

- Operating System Management
- Research and Development
- Troubleshooting and Test Casing
- Database Management

### TECHNICAL PROFICIENCIES:

*Platforms:* Linux (Ubuntu, Mint, Kali), UNIX (Solaris), Windows 10  
*Networking:* TCP-UDP, ISO/OSI, IPv4, IPv6, Socket Programming  
*Languages:* JavaScript, Java (Debugging, Junit Testing), C, SQL, HTML5, CSS, PHP, Shell Scripting  
*Assembly Language:* x86, x86-64  
*Tools:* Git, Eclipse, Google Cloud Platform, Visual Studio, VMware Workstation, GitKraken, Github, Wireshark, Packet Tracer, PostgreSQL, PgModeler, Latex Microsoft Office Suit (Outlook, Word, Excel, PowerPoint).

- Participate in building, test, implementing, and maintain applications to apply a systematic approach to solve problem using C Language.
- Within a Linux environment, able to diagnose, solve, troubleshoot, and document technical problems involving computing devices using appropriate methodologies.
- Identify and apply discipline-specific practices to analyze, evaluate from a variety of sources in a Unix/Linux environment.
- Participate in building, testing, implementing, and maintaining applications while applying a systematic approach within C and Java environment.
- Developed OS scripting through Shell Scripting in Linux and Batch Files in Windows.
- Performed pre-assembly production checks ensuring machines and parts were manually aligned within AsmIDE. Tracing and checking products using 68HCS12 Simulator.
- Socket Programming using Java and knowledge between server and client on a particular port at an IP, while other socket reaches out to the other to form a connection.

### SOFT SKILLS:

- Strong technical communication skills to prepare detailed technical reports and effective presentations
- Confidently presenting, asking critical questions, fluent having communication and writing skills

- Use effective time-management strategies to schedule tasks and complete work to deadlines
- Language: Fluent in English, Vietnamese and basic French

## ACADEMIC PROJECTS:

[Responsive Portfolio \(HTML, SCSS, CSS, JavaScript\)](#) – Proficient in CSS, HTML5, and learning JavaScript. Creating a portfolio with simplicity, but with well-designed methods and effects. Using SCSS with applied Json file to observe actions and automatically created a CSS file applied on main HTML files. As well, using GIT to update and check errors on Github.

[Student Register \(Ansi C\)](#) – Using and applying pointers, struct and multi-dimensional arrays to take input from the users for multiple student id's and courses, creating menus to add or drop courses assigned to the students.

[Calculator \(Shell Scripting\)](#) – Used Linux Shell Scripting to make a simple calculator. Learned about VIM, the different commands within it, and more about Shell Scripting in Linux.

[Sales Inventory \(Java\)](#) – From the idea during the summer break, I was inspired by making a playlist can save my favourite songs to a file or read a playlist from any file dynamically. Sale inventory is the version of that playlist but in learning process applying Big O Analysis and Data Structure.

[3D Lithophane Printing \(Java\)](#) – Applying encapsulation, polymorphism, inheritance and understanding of objects and classes, with experience working with interfaces to write a lithophane printing system for specific designs with the given data.

[Flappy Bird \(Java\)](#) – Created a GUI program based on the Flappy Bird Game. Gave me a better understanding of GUI Java projects, and the connection between the Front and backend of the application.

## OTHER WORK EXPERIENCE:

### **Line Cook, Pho Thi Noodle Restaurant**

*Sept 2019 - Mar 2020*

- Developed a strong knowledge in customer service working with other co-workers to open the store set up and prepare for all day sale. Built problem solving skills and other intern skills when dealing with different customers 'choice about their dishes. Worked in fast pace to catch up and support other co-workers with their jobs, sharing is caring that is what I learned.

### **Barista, Coco Fresh Tea & Juice**

*May 2020 - Current*

- Collaboratively working in team environment to give the customers the best service. Strategic-relationship and partnership-building skills—listen attentively, solve problems creatively. Communicate with Management and other Co-workers with issues arose, worked together to find a solution in a time effective manner.

## CO-CURRICULAR ACTIVITIES:

### [Ambassador, FWD50, technology workshop](#)

*Mar 2020 – Apr 2020*

Enthusiast in the missions, advise and assign participants with their questions. Highly motivated and enthusiastic in the mission assigned along, doing and contributes the best.

**Participant, University of Ottawa, CANDEV**

*Mar 2020 – Apr 2020*

Participated in coding competition, spent time with teammates to solve problems of government about data and Natural Language Generation, learning Python and machine learning.

**Participant, Master the Mainframe, IBM**

*Mar 2020 – Apr 2020*

Self-learning new Z/Operating System, finishing 3 parts with 30 challenges, getting started with EBCDIC and packed-decimal, COBOL, and C language. Learning and sharing knowledge about multiple problems and debugging Rexx language.

**Ambassador, IBM Z, IBM**

*Jun 2020 – Present*

Looking for potential work mates to contribute to the IBM Z community for learning purposes, as well, sharing and developing together as a team.

**REFERENCES:**

***Daniel Gaudreault***, Database Professor - Email: [gaudred@algonquincollege.com](mailto:gaudred@algonquincollege.com)

***Jason Mombourquette***, Lab/Lecture Java Professor - Email: [mombouj@algonquincollege.com](mailto:mombouj@algonquincollege.com) - Phone: (613) 222-7433

***Richard Hagemeyer***, Professor, Information & Communications Technology/C Language - Email: [hagemer@algonquincollege.com](mailto:hagemer@algonquincollege.com) - Phone: (613) 727-4723 x5974