

# Andy Truong

COMPUTER SCIENCE • FINANCE

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## Key Skills

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- Computing and Financial Management graduate with strong foundations in programming and finance.
- Strong desire for expansion of skill-set in achieving individual and team success in a fast-paced working environment.
- Ability to present highly detailed and informative reports, technical documents and work.
- Self-motivated, time managed, and organized individual that is able to work individually and flexibly in teams with minimal supervision.
- Detailed-oriented and ambitious individual that is committed to delivering high quality results.
- Highly critical thinker with effective researching, problem solving and communication abilities proven through experience.

## Technical Skills

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- Dedicated in maintaining up-to-date knowledge in best Information Technology and Software Development practices.
- Obtained knowledge in the Software Development Life Cycle and creation of vigorous algorithm test cases.
- Knowledgeable in Computer Science fundamentals such as data structures, algorithm design and complexity analysis.
- Exposure to Object-Oriented Design such as UML and design patterns.
- Experienced in Active Directory and Exchange management through both the GUI and Powershell CLI.
- **Languages:** Scheme, Python (Beginner), C, C++, SQL, Matlab, Bash, Powershell, HTML (Beginner), Swift (Beginner)
- **Operating Systems:** Microsoft Windows, Mac OS, Android, iOS
- **Services:** Avaya Telephony, Active Directory/Exchange, Blackberry Enterprise Server, Microsoft Office/Visio, Thomson Reuters Eikon

## Experience

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### Regional Municipality of Peel

*Brampton, Canada*

IT INFRASTRUCTURE ANALYST

*Sept. - Dec. 2016, Jan. - Apr. 2016*

- Developed efficient and effective algorithms in Powershell to solve complex tasks.
- Assisted with server maintenance via routine patches, Brocade switch configurations and Avaya telephony configurations.
- Provide quick and effective troubleshooting solutions to resolve client computer related issues.
- Maintained employee domain accounts within the corporate network via Active Directory and Exchange.
- Successfully assisted in the migration of local users, mailboxes and distribution lists to Microsoft's Office 365 platform.
- Gained a basic understanding in switching and networking methodologies.

### Regional Municipality of Peel

*Brampton, Canada*

IT INFRASTRUCTURE ANALYST

*May - Sept. 2015, Aug. - Dec. 2014*

- Proactively improved the efficiency of Active Directory and Exchange commands by Powershell scripting.
- Assisted in the configuration of many applications such as the Open Text Document Server.
- Effectively communicated and coordinated with third-party vendors to resolve issues within the corporation.
- Gained knowledge in Active Directory user and group management.

## Regional Municipality of Peel

*Brampton, Canada*

IT INFRASTRUCTURE ANALYST

*Jan. - Apr. 2014, May - Aug. 2013*

- Developed clear, detailed and effective documentation for software and hardware configuration.
- Reviewed all infrastructure documents to ensure clarity, accuracy and organization.
- Managed supplier/vendor relationships to successfully replace defective units in the organization.
- Assisted in the management and addition of servers and switches onto a monitoring service, ipMonitor.
- Developed an understanding in the Linux Command Line Interface and Windows Powershell.

## Projects

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### Peel Location Application

*Mar. 2016 - Present*

- iOS application developed with Apple's created Swift language.
- Database application that hosts important locations around Brampton, Caledon and Mississauga.
- Pinpoints each location using Apple's Mapkit Framework.

### Active Directory Management Tool

*Feb. - Mar 2016*

- Windows Application Tool for servers; coded in Powershell.
- Allows the user to retrieve and modify network accounts within the organization.
- Properties displayed include display name, title, description, email, phone, home drive, organizational unit, account expiry, Sam Account name, and extension attributes.
- Back-end code that connects to a domain controller and displays the information neatly in a Graphical User Interface.

### Quadris

*Aug. 2014*

- Linux command line game implemented with X-11 graphics and Object-Oriented Programming (OOP) design techniques in C++.
- Next block based on a random number generator that assign probabilities based on the current level.
- Mimics the features of the well-known game Tetris; features include block movement, level up and score.
- Additional features include life saver and cheats which are enabled through the score deduction system.

### Bash Testing Script

*Apr. 2014*

- Automated scripting tool developed to test C++ programs with the use of input and output files.
- Primary usage was to test program outputs and the expected output with many vigorous testing conditions.

## Education

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### University of Waterloo

*Waterloo, Canada*

BACHELOR OF COMPUTING AND FINANCIAL MANAGEMENT

*Sept. 2012 - Apr. 2017*

## Awards & Achievements

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2013 - 2017	<b>Dean's Honour List</b> , University of Waterloo	<i>Waterloo, Canada</i>
2013	<b>University of Waterloo Retirees' Award</b> , University of Waterloo	<i>Waterloo, Canada</i>
2012	<b>Merit Entrance Scholarship</b> , University of Waterloo	<i>Waterloo, Canada</i>
2012	<b>Ontario Scholar Award</b> , Brampton Centennial Secondary School	<i>Brampton, Canada</i>
2012	<b>Achievement in French Studies</b> , Brampton Centennial Secondary School	<i>Brampton, Canada</i>