

Objective To use computer vision to create the best products possible

Highlights

- IBM work experience (16 months)
- Google Summer of Code student work program
- Researcher for the University of Ontario Institute of Technology

Work Experience

May 2010 – August 2011 **Data Warehouse Specialist, IBM**

- Consulted for IBM business partners for how to use IBM data warehouse products such as InfoSphere Warehouse and Netezza
- Presented multiday educational boot-camps about database and data warehouse technologies and IBM products
- Provided cloud VM infrastructure for the team's projects using VMware ESXi. Started as an unrequested side-project
- Lead developer of InfoSphere nanoCluster: three Linux machines are automated to showcase IBM software. Started as an unrequested side-project

January 2010 – April 2010 **Web Researcher, University of Ontario Institute of Technology, Part-Time**

- Mapping friend topology in large online social networks
- Responsible for building a web crawling tool to collect topology information
- Programming with python to design a solution with efficient path selection, parallel data collection, and organized data storage

May 2009 – August 2009 **Open Source Developer, OpenSWAN Linux VPN, Xelerance Corporation, Google Summer of Code Student**

- Developed a client and server test bed to serve as a VPN diagnostic for users
- Gained proficiency with Linux, Bash, Python, scripting, IPsec, TCP/IP, HTTP
- Recognized on Student Achievement wall at UOIT for accomplishments

January 2009 – April 2009 **Computer Networking Lab Assistant, University of Ontario Inst. of Technology**

- Responsible for invigilating the Cisco networking lab during open lab hours

Professional Certification

August 2010 **IBM Certified Database Associate (DB2 9 Fundamentals)**

August 2009 **Cisco Certified Network Associate (CCNA)**

- Passed exams with 92% score

Technical Skills

| Programming | Networking | Software | IBM Business Analytics |
|------------------|---------------------------|-----------------------------|-----------------------------|
| C/C++ (3 years) | TCP/IP (4 years) | VMware ESXi | DB2 Database |
| Python (2 years) | IPSEC, Quality of Service | BASH, VIM | InfoSphere Warehouse |
| Shell (2 years) | Routing and Switching | GIT version control | Cognos |
| Java, Perl | Operating Systems | Wireshark | Netezza |
| Algorithms and | Linux (3 years) | Microsoft Office | ETL |
| Data Structures | Windows | Web: HTML, PHP, AJAX | Cubing |
| | Unix/Solaris | Javascript, XML, Apache | Data Mining, Text Analytics |

Education

Bachelor of Information Technology, Sept 2008 – May 2013

- o University of Ontario Institute of Technology (UOIT), Oshawa Ontario Canada
- o Focus of degree: computer programming, networking, and security
- o Dean's List, 3.92 GPA / A / 90% grade average in most recent semester
- o Awarded Entrance Scholarship

International exchange student at Free University Berlin, Summer 2012

- o Classes studied: Computer Vision, Digital Video, Telematics Software Project, German (Level A1.2)
- o Video recording assistant at ACM Conference on Distributed Event-Based Systems

Sir Robert Borden High School, Ottawa, Ontario, 84% graduating average

Workplace Skills

- Resourceful
- Team player
- Excellent verbal and written communicator
- Strong problem solver

Volunteer Experience

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|------------------|--|
| March 2012 | • Discussion leader of the IT security research paper reading group at UOIT |
| Sept 2009 – 2012 | • President of the IT club at UOIT |
| March 2012 | • Event organizer of the student video game LAN at UOIT |
| Summer 2009 | • Participant of the Information and Communication Technology Standards Advisory Council of Canada's Task Force discussions on IPv6 |
| March 2009 | • Presenter at Toronto's HackLab on the cloud-centric Internet |
| August 2009 | • Installer of Ubuntu server in Sir Robert Borden H.S. computer lab |

Major School Projects

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|-----------------|---|
| December 2011 | • Object oriented Python implementation of RSA and El-Gamal encryption and decryption and Diffie-Hellman key exchange. |
| December 2009 | • Bubble sort written in 8088 architecture assembly language |
| December 2009 | • Decrypted Vigenère encryption without a computer or knowledge of the key |
| December 2009 | • Implemented large network using Cisco equipment and advanced routing protocols |
| Sept – Dec 2008 | • Android operating system's strategic advantages 3000 word written report |

Interests

- **Software projects:** I have tinkered with Facebook's API and the OpenCV computer vision library.
- **Traveling:** I have visited Beijing, Jerusalem, and many more places
- **Music:** simply makes life more awesome
- **Video Games (a favorite past time):** placed top 10 in tournaments
- **All things innovative**