

PROFILE

A self-motivated Information Technology expert with a successful leadership background in IT department administration, who is currently pursuing an employment opportunity to supplement his pursuit of a PhD in Artificial Intelligence.

QUALIFICATIONS SUMMARY

- Currently a full-time PhD student at the University of New Hampshire, majoring in Artificial Intelligence within the studies of Computer Science.
- Experienced in managing Information Technology departments, within both MCE123SM and Staples®.
 - Ability to keep IT department profitable and staffed with the correct employees through a close relationship with Human Resources.
 - Knowledgeable and experienced with contracting and sub-contracting delicate IT operations, ability to get the lowest prices and highest quality for IT products and services.
 - Experienced with Project Management managing multi-million dollar projects that were profitable
 - Experienced with Tableau Data Visualization for Data Analytics, QuickBooks, and PeachTree.
- Over twenty years of experience in Information Technology and Computer Science, both in Software Development and Hardware Implementations.
 - Highly Experienced Programmer in Python, Java, C, C++, C#, PHP, Perl, ASP.NET, JavaScript / jQuery, Responsive HTML/CSS, Visual Basic, VBScript, Scratch, LISP, and many others. Have been programming, consistently, for over 20 years. Able to commit 2,000+ lines of modular, reusable code a day.
 - Wrote my own programming language, MCE123Code, and created a compiler using lex & yacc coded in C.
 - Full-stack Web Developer, including with MVC framework Django, REST APIs, Database, and Front-End.
 - Experienced with extensive Test-Driven Development, including Unit Testing and Doctest in Python.
 - Experience working with Version Control systems, including Git, GitHub, and Subversion.
 - Has worked in Agile development environment as Scrum leader, as well as Waterfall.
 - Familiar with implementing hundreds of popular platforms, including Content Management Systems (CMS), Customer Relationship Management (CRM), eTicket, Webmail, Mailing Lists, Chat Rooms
 - DevOps Engineer able to build scalable Cloud Computing systems, including with Amazon Web Services (AWS) such as S3, EC2, RDS, Route 53, DynamoDB, Auto-Scaling Groups, Certificate Manager, Messaging Services, Health Monitoring
 - Expert systems administrator of Windows, Windows Server, Mac OS, Linux, and UNIX machines.
 - Experience managing cPanel / WHM based Servers, and using AWSCLI to provision resources on the fly.
- Eight years of experience in the research & development engineering industry with MCE123SM Technology Development.
 - Background in Intellectual Property (IP) Law, such as Trademarks, Service Marks, and Copyrights
 - Ability to manage engineering projects, such as electrical engineering, computer engineering, and space technologies including satellites.

EMPLOYMENT HISTORY

MCE123, Chief Technology Officer, Barrington, NH (1999-current)

- Provided contract Information Technology services to businesses, including software design and development, server administration, on-site computer repair and network configuration services
- Developed custom DevOps tools that are used internal to the company for cloud server management, file transfer, and database management using Python libraries
- Designed and developed over 35 different websites for customers, using coding languages including Python/Django, Java, C#, PHP/MySQL, Flash ActionScript, Perl, ASP.NET, JavaScript/jQuery, and HTML/CSS among others.
- Provided Information Security services to company and clients, including physical security, encryption/decryption, firewall services, and Monitoring as a Service (MaaS)
- Developed over 1,000 unique technology invention concepts for MCE123SM Technology Development, including in the fields of artificial intelligence, information technology, unmanned robotics & avionics, telecommunications, space technologies, cloud computing, bioengineering, electronics engineering, immersive environments, artificial telepathy, laser electro-optics, nanotechnology, and quantum computing, among others.

EMPLOYMENT HISTORY (continued...)

Staples®, *EasyTech™* Department Manager, Newington, NH (2016-2017)

- Managed entire IT services department in Newington, NH store (#0176) with 10 employees.

Staples®, *EasyTech™* Services Supervisor, Newington, NH (2015-2016)

- Performed IT services in-store and on-site.
- Supervised EasyTech™ staff including 2 technicians.

PROFESSIONAL MEMBERSHIPS

Golden Key International Honors Society, Member #15920874

Microsoft Partner Network, Member #1785558

Internet Engineering Task Force (IETF)

Internet Engineering Steering Group (IESG)

Institute of Electrical and Electronics Engineers (IEEE) – Computer Society, Member # 95000212

American Marketing Association (AMA), Member #03398214

EDUCATION

University of New Hampshire, Durham, NH (2018-2023)

PhD Computer Science, *Major: Artificial Intelligence*

University of New Hampshire, Manchester, NH (2016-2018)

M.S. Information Technology, *Major: Big Data / Web Development, GPA: 4.0*

University of New Hampshire Law School, Concord, NH (2010)

Major: Intellectual Property Law

Daniel Webster College, Nashua, NH (2008-2010)

B.S. Marketing Management, *Major: Technology Marketing*

McIntosh College, Dover, NH (2007-2008)

A.S. Business Management

Modesto Junior College, Modesto, CA (2003-2004)

Major: Business Administration

Merced College, Merced CA (2001-2004)

Major: Computer Science

TECHNICAL CERTIFICATIONS

Microsoft Certified Professional #6983472 (Active)

Adobe® Web Design Certification Course (2002)

Cisco® CCNP Certification (2003, was not renewed)

Cisco® CCNA Certification (2001, was not renewed)

CompTIA® A+ Certification Course (2001)

Staples Certified Computer Technician (2015)

PUBLICATIONS

Information Technology Master's Thesis, August 2018

Scalable Web Service Development with Amazon Web Services

<https://pqdtopen.proquest.com/doc/2125478222.html?FMT=ABS>