Braden**Licastro**

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Objective

Motivated individual looking for opportunities that would allow for leveraging of strong leadership skills and extensive technical background to direct a progressive, cutting edge company to meet and exceed its mission and goals. Building strong working relationships with other industry experts is vital to furthering my personal drive to deliver work that exceeds the expectations of colleagues through a positive, well-structured, and optimized work ethic.

Education

Masters of Science in Information Technology; Carnegie Mellon; Pittsburgh, PA   **Expected 08/2020**

Track: Information Security & Assurance
QPA: 3.98
Related Coursework:
    Cybersecurity Policy and Governance I & II, Database Management (Intro & Advanced), DevOps,
    Ethical Penetration Testing, Host Based Forensics, Information Security Risk Management I,
    Intro to Information Security Management, IT Project Management, Linux and Open Source,
    Network & Internet Security, Software Security, Telecommunications Management

✸ **Network Layer 1 & 2 Troubleshooting; Software Engineering Institute, CMU; Pittsburgh, PA**   **July 2015**

✸ **Advanced Windows Scripting; Software Engineering Institute, CMU; Pittsburgh, PA**   **June 2015**

Bachelors of Computer Science; Allegheny College; Meadville, PA   **December 2014**

Credentials and Certifications

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🚛 **Class A Commercial Drivers License (Permitted pending receipt)**   N Endorsement

Technical Proficiencies

Platforms:
    CentOS, Embedded (ARM, Atmel, ESP), Kali, Mac OS, Raspbian, RHEL, Ubuntu, VMWare ESXi, VyOS, Windows

Languages:
    C++, HTML5, Java, JavaScript, LATEX, MySQL, PHP, PowerShell, Python, Shell Scripting (Windows & Linux), VB6,
    VB.net, XML, YAML

Tools:
    Acunetix, CERT NetSA Suite, Cisco FirePower, FireEye, Git/GitLab, InCommon Certificate Manager, Nagios,
    Nessus, NMap, OpenVPN, Puppet, PuTTY/WinSCP, Rsyslog, Snort, Splunk, Suricata, SVN, Veeam, Windows
    Subsystem for Linux, Wireshark

Professional Experience

Information Security Analyst *SEI, Carnegie Mellon University; Pittsburgh, PA*   **July 2016 - Present**

- Administrator of enterprise Information Security (IS) Systems including Acunetix, CERT NetSA Tools, Nessus, Snort, Suricata, and FireEye Appliances.
- Leveraged and created Splunk dashboards for at-a-glance network and security health monitoring.
- Created automated Python indicator processing system that ingests CSVs, text documents, and online SANS-maintained feeds to create standardized output for monitoring systems.
- Analyzed and audited data generated by aforementioned IS Systems.
- Developed and enforced security practices and procedures.
- Collaborated with SEI research programs and integrate their research into enterprise-scale applications.
- Enhanced and maintained a secure cutting-edge research environment.
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IT User Services Associate *SEI, Carnegie Mellon University; Pittsburgh, PA*   **May 2015 - July 2016**
  • Provided first-line phone and walk-in support to Windows, Linux, and Mac end users.
  • Developed and maintained Windows and Mac system administration scripts.
  • Repaired computing hardware including Macs, desktops, laptops, and printers as Dell Certified Technician.
  • Acted as escalation point for troubleshooting and resolutions between users and other IT teams.
  • Created and maintained detailed IT documentation for internal and public use.
  • Designed and implemented forensic disk cloning and archiving workstations.

Technical Professional Business Process Analyst *ABB High Voltage; Mount Pleasant, PA*   **February 2015 - May 2015**
  • Maintained Quality Data Management System and other proprietary critical software systems.
  • Ensured proper functionality of facility server room and performed system upgrades.
  • Drafted specifications and road-map for internal software to SAP migrations.
  • Supported other miscellaneous facility technology hardware while providing user support, troubleshooting, and training.

IT Systems Engineering Intern *SEI, Carnegie Mellon University; Pittsburgh, PA*   **May 2014 - August 2014**
  • Wrote and maintained Windows system administration scripts.
  • Performed data collection and analysis using Splunk to identify network and data trends.
  • Completed other miscellaneous day-to-day IT support tasks including LaTeX document conversion.

Technical Professional Intern II *ABB Power Products High Voltage; Mount Pleasant, PA*   **June 2013 - November 2013**
  • Spearheaded a complete renovation of the facility server room which included scheduling of contractors, management of costs and approvals, facility improvements, and upgrade of network including wiring and equipment.
  • Performed day-to-day IT support functions and facility production improvement projects.
  • Collaborated with other groups to generate and update standard operating procedures.

Technical Professional Intern *ABB Power Products High Voltage; Mount Pleasant, PA*   **June 2012 - January 2013**
  • Programmed and updated internal software; maintained server room function.
  • Installed and maintained various technology including Kronos time clocks and conference room renovations.

Additional Experience

General Laborer *Ligonier Concrete and Lime Construction Company; Latrobe, PA*   **July 2011 - February 2015**
  • Operated various heavy machinery and performed manual prep and finishing work.
  • Completed miscellaneous building and machine maintenance.
  • Expertise in Caterpillar, Morooka, and John Deere products.

Photography Assistant *Department of Art, Allegheny College; Meadville, PA*   **January 2012 - December 2014**
  • Improved darkroom facility and equipment and oversaw its operation.
  • Supported students by coaching on techniques and craft.

Publications

Approximate Algorithmic Image Matching to Reduce Online Storage Overhead of User Submitted Images
   May 2014, Allegheny College; *https://www.bradenlicastro.com/srthesis*

Home-Lab

Platforms (Excluding clients):
   CentOS, EdgeOS, Kali, Raspbian, Ubuntu, VMWare ESXi, Windows 10

Tools and Technologies:
   Ansible, Apache (Reverse Proxy + Web), Drupal, FreeIPA, TOTP based 2-FA, Home Assistant, NextCloud, OpenVPN, Rsyslog, Splunk, Vagrant, Veeam, WordPress, Other personally developed hardware and software solutions

Awards

🏆 **Allegheny College Student Chapter Prize in Computer Science**   April 2014
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🏆 **Excellence in Communication and Technology Award**   June 2010