

## EMPLOYMENT

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<b>Software Engineer III</b>	<b>NETSCOUT Systems</b>	<b>August 2015 - Now</b>
<ul style="list-style-type: none"><li>• Full-stack software engineer. Design and implement solution for multiple customers – major to minor.</li><li>• Top 10% Performer within the team. Designed and implemented the Reporting feature for Arbor Edge Defense – a DDoS mitigation solution for enterprises. Helped customers' IT-Ops produce a big picture view of traffic pattern in their network. (<i>Promoted from Software Engineer I → II.</i>)</li><li>• Team Lead of a Threat Intelligence team of 7 software development and test engineers for 6 months. Designed the critical STIX/TAXII threat intelligence feature – one of the four key features of AED. Supported major customers such as Tata Consultancy, Dell, and many other major companies all over the world. (<i>Promoted from Software Engineer II → III.</i>)</li><li>• Ongoing Feature Lead of the Internationalization project for Arbor Sightline – a traffic visibility product at service provider level. Leading and consulting a team of 3 engineers on internationalization/localization infrastructures and best practices to expand an English-only user interface. Potential multi-million dollars contracts from major ISPs in China.</li><li>• Coached junior engineers and new hires. Wrote and contributed to several internal wiki pages on design and workflow best practices.</li><li>• Boosted the throughput of a network flow collection pipeline by 200% by utilizing advanced data structures to keep track of top offending hosts. Data are fed to a machine learning job to learn about traffic patterns. As a result, the machine learning module received more data to improve the model accuracy from about 60% to 87%.</li></ul>		

<b>Software Engineering Intern</b>	<b>NETSCOUT Systems</b>	<b>Summer 2014 &amp; Summer 2015</b>
<ul style="list-style-type: none"><li>• Fixed bugs and improved network device discovery system in Arbor Enterprise Manager – a product to manage multiple AEDs. Bank of America requested this feature before committing to a 2-million-dollar contract.</li><li>• Helped design and improve the licensing infrastructure by adding Cloud Licensing support to AED. This enabled Arbor/NETSCOUT to sell the product to companies that want flexibility in deployment on their own Virtual Machines instead of buying physical hardware. 40% revenue of AED Virtual Machine sales. (<i>Converted to full-time position Software Engineer I.</i>)</li></ul>		

## EDUCATION

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<b>Worcester, MA</b>	<b>Worcester Polytechnic Institute</b>	<b>August 2013 – October 2015</b>
<ul style="list-style-type: none"><li>• B.S. in Computer Science. GPA: 3.67.</li><li>• Overloaded coursework every quarter. Completed the 4-year degree within 3.25 years. Graduated with Distinction.</li><li>• Undergraduate Coursework: Software Engineering, Software Engineering Security, Computer Network, Computer Network Security, Operating Systems, Algorithms &amp; Data Structures.</li></ul>		

## SKILLS

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- **Linux:** Red Hat family (CentOS), Fedora.
- **Backend/Scripting:** Python, C, PHP, Java, Bash.
- **Frontend:** HTML, CSS, Less, JavaScript/ECMAScript, jQuery, React.
- **Databases:** MySQL, SQLite, PostgreSQL, MongoDB, Elasticsearch, Redis.
- **Web application servers:** Apache, nginx.
- **Version control:** Git, Subversion.
- **Misc:** Jenkins, AWS EC2/S3, Docker.
- **Languages:** Fluent English and Vietnamese.