

SUMMARY	Specialities: data-driven analysis, probability and statistics, and DevOps.	
EDUCATION	University of Illinois at Urbana-Champaign (UIUC), IL <i>Masters in Library and Information Science · School of Information Sciences (iSchool)</i> 2016 - Dec 2018	
	Foreign Trade University, Hanoi, Vietnam <i>Bachelor of Business Administration (BBA)</i> 2011 - 2015	
TECHNICAL SKILLS	<ul style="list-style-type: none"> • Programming languages: Python, Bash shell, R, SPSS • Data analysis: MySQL, UNIX command line utilities, Weka • Editor: Emacs (spacemacs + evil mode), vim 	
HONORS AND AWARDS	<ul style="list-style-type: none"> - USENIX Enigma Diversity Grant Award (2018) - Dorothy C. McAlister Endowment Travel Support (2018) 	
WORK EXPERIENCE	<i>Technical Programmer Intern, Oath (formerly Yahoo!), Champaign, IL</i> Summer 2018 Implemented monitoring tools (OpenBMP) for measuring and securing Border Gateway Protocol (BGP) inter-data-center network traffic. Measured IPv6 Adoption Rate using traffics from Oath Content Distribution Network (CDN) to understand, plan, and optimize Oath Network.	
	<ul style="list-style-type: none"> - Implemented Open BGP Monitoring Protocol (OpenBMP) to track million Routing Information Base dumps and Update dumps for BGP. [Apache Kafka, Zookeeper, Apache Tomcat, MySQL MariaDB] - Calculated Total Served Bytes, Total Requests, Total Connections, and Total IP addresses from terabytes of data. [Apache Pig] - Measured IPv6 adoption rate by dividing total number of IPv6 addresses to total number of IP addresses. [Panda Python library] - Visualized global IPv6 adoption rate via choropleth map. [Folium Python Library]. 	
	<i>Security Engineer Intern, National Center for Supercomputing Applications (NCSA)</i> Summer 2017 Built a distributed log platform to propagate attack data to participating sites in real time.	
	<ul style="list-style-type: none"> - Automated deployment of an SSH key logger honeypot in 3 participating sites across U.S. [Python, Ansible playbook]. - Distributed security logs using pub-sub and gossip-based peer-to-peer messaging [ZeroMQ]. - Built an ETL data streaming to measure million entries of network and host authentication logs [Apache Kafka]. - Analyzed top 100 frequent SSH clients used to brute-force attack IoT devices [clickhouse]. 	
	<i>Assessment Research Practicum, Illinois Leadership Center (ILC), UIUC</i> 2017 Conducted assessment reports and library reports.	
	<ul style="list-style-type: none"> - Analyzed evaluation data from 4 ILC programs [SPSS]. - Conducted monthly query reports of ILC Library usages [Koha Library Software, MySQL]. - Led 'Book of the Month' event at ILC and organized 'Faculty Book Club'. 	
	<i>IT Help Desk, Instructional Tech & Design, iSchool, UIUC</i> 2016 - 2018 Implemented card reader for checkout equipment process	
	<ul style="list-style-type: none"> - Designed and integrated new Equipment database with existing database. - Built a checkout interface for 10 users, serving hundreds of students, faculty, and staff within iSchool. - Produced technical documents for faculty staffs on Cloud Computing & Storage, UNIX, and MySQL. - Supported remote or in-person students and staffs for technical issues during online sessions. - Guided guest speakers and students using the Blackboard Collaborate Ultra tool. 	
COURSES	Data Mining Data, Statistical Models and Information Computer Security Communication Networks Introduction to Databases	