

Qingying Hao

CONTACT INFORMATION	2202 Kraft Drive, Knowledge Works II Blacksburg, VA 24060	Email: qhao2018@vt.edu
RESEARCH AREA	Network Security; Application of Data Analytics / Machine Learning Techniques on Security Problems	
EDUCATION	Ph.D. in Computer Science , Virginia Tech Advisor: Gang Wang	Aug. 2018-Present
	M.S. in Information Security , Johns Hopkins University	Aug. 2016-Dec. 2017
	B.S. in Information Science , University of Washington Seattle	Aug. 2011-Jun. 2015
RESEARCH EXPERIENCE	National Key Information Security Lab, Chinese Academy of Sciences <ul style="list-style-type: none">Research and implement some lattice public cryptography algorithms in Linux systems using C++ number theory librariesResearch on improvements of current cryptography algorithms for accelerated computations	Beijing, China May 2017-May 2018
	Information Security Institute, Johns Hopkins University <ul style="list-style-type: none">Email logs audit for users' security behavior analysisUse several web proxies to capture users' email logsConduct user study for desktop / mobile systems	Baltimore, MD Jun. 2016-Oct. 2016
CAPSTONE PROJECT	Windows Security logs Visualization <ul style="list-style-type: none">Create a dashboard showing windows security alerts for different time by various filters according to predefined rulesUse Tableau for logs distribution visualization	Baltimore, MD Oct. 2016-Dec. 2016
	Turnip: Special Dietary Food Search Engine Website <ul style="list-style-type: none">Design a restaurants / food search engine website around UW campus for people who have special dietary needsCreate wireframes, high fidelity prototype of the website and design the project poster	Seattle, WA Jan. 2015-Jun. 2015
CLASS PROJECT	Design and Implementation of Secure Network Layers <ul style="list-style-type: none">Design and develop reliable data transmission protocols based on Twisted libraryImplement additional secure layer above with cryptography functions	Baltimore, MD Sep. 2016-Dec. 2016
	Database for DVD Rental Shop <ul style="list-style-type: none">Design and develop database using Visio and SQL server according to specific business needs and requirementsExplore database mirroring, synchronizing and backup	Seattle, WA Mar. 2015-Jun. 2015
	Web Crawler Development	Seattle, WA Mar. 2014-Jun. 2014

- Develop an NBA player news crawling website with .net and C# and implement the website using Windows Azure and Amazon RDS

PUBLICATIONS CONFERENCES

Ping Hao, Zhou Zheng, **QingYing Hao**, YuQing Yu. Research and Application of Intelligent Electronic Risk Monitoring Model. Journal of Zhejiang University of Technology, March 29, 2018. (To be published)

Yuqing Yu, **Qingying Hao**, Ping Hao. The Research and Application of Enterprises' Dynamic Risk Monitoring and Assessment Model Based on Related Time Series. In *proceedings of the Chinese Automation Congress & Intelligent Manufacturing International Conference (CAC '2017)*, Jinan, China, Oct. 2017.

POSTERS

Yuqing Yu, **Qingying Hao**, Ping Hao. The Research and Application of Enterprises' Dynamic Risk Monitoring and Assessment Model Based on Related Time Series (Poster). In *proceedings of the Chinese Automation Congress & Intelligent Manufacturing International Conference (CAC '2017)*, Jinan, China, Oct. 2017.

Qingying Hao, Fardos Mohamed. Turnip: Special Dietary Food Search Engine Website (Capstone Project Poster). June. 2015. iSchool@UW, Seattle, WA, 2015.

WORK EXPERIENCES

Gongyue Information and Technology Co.,Ltd.

- Research and implement users' access control based on business work flows and system roles
- Information system and database maintenance for some universities' audit and purchase system
- Research and design the time-series based business risk monitoring and assessment model for some enterprises which would generate multi-leveled alerts

Shaoxing, Zhejiang
Jan. 2017-May 2017

Jun. 2015-Aug. 2015

SKILLS

Programming: Java, C++, Web (HTML5/CSS, JavaScript), Linux, Python, SQL
Application: Adobe Illustrator, LATEX
Languages: Chinese (Native Speaker), English