

EDUCATION

University of Pennsylvania – Ph.D in Computer Science – Philadelphia, PA, USA. *Fall 2016 - present***Duke University – M.Sc in Computer Science – Durham, NC, USA.** (GPA: 3.682)

Master Thesis: Studying Recommender Systems to Enhance Distributed Computing Schedulers.

*2014 - 2016***Ecole Supérieure d'Informatique – M.Sc in Computer Science – France, England, China.***2006 - 2011*

TECHNICAL SKILLS

Systems: GNU/Linux,
Programming: C, C++, Python, Bash.**Analytic:** sklearn, Apache Spark**French:** Native
Spanish: Fluent**Mandarin Chinese:** Beginner
Russian: Beginner

LANGUAGES

EXPERIENCE

Research intern, Microsoft Research Redmond

- Demikernel project, a datacenter-OS (PI: Irene Zhang)

*May 2019 – Aug 2019***Research intern, Perspecta Labs (Research laboratory, 14,000 employees, NJ/USA)**

- DARPA DCOMP project (PI: Latha Kant, Alexander Poylisher)
- Built a Meta Experiments Controller to automate the exploration of MANET scenarios parameters.

*June 2018 – Aug 2018***Research Assistant**

University of Pennsylvania with prof. Boon T. Loo in the Distributed Systems Laboratory

Duke University with prof. Benjamin C. Lee in the System Architecture Integration Laboratory

Selected publications:

- DeDoS: Defusing DoS with Dispersion Oriented Software
- TMC: Pay-as-you-Go Distributed Communication
- Detecting Asymmetric Application-layer Denial-of-Service Attacks In-Flight with Finelame

Aug 2016 – present
*Jan 2015 - Jan 2016***Quality Control Director, Skopeo (Software editor, 8 employees, France and Tunisia)**

- Created the software development process and infrastructure (git, mantis, AWS Ec2, ...)
- Trained the Tunisian team during their kick start, interviewed candidates for all positions.

Apr 2014
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*Aug 2014***Software Engineer, Hedera Technology (Software editor, 10 employees, Paris/France)**

Development of an abstraction to integrate multiple IaaS software. I worked on:

- A rule engine for dynamic provisioning.
- Components needed to interact with vSphere and OpenStack, from prototyping to tested integration.
- Port the project to Windows and successfully integrated in a customer's production environment.
- Trained customers to use OpenStack.

Jan 2012
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*Jan 2014***Quality Control Internship, BysoftChina (SEC, 100 employees, Canton/China)****E-commerce** team: 12 members, then **CMS** team: 20 members. Tools: Magento, Prestashop, Drupal, eZpublish.

- Responsible for 15 projects, with around 500 tickets opened, followed and confirmed as solved.
- Updated development life-cycle and quality manual of the company with respect to ISO-9001:2008.

Jun 2011
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*Dec 2011***Software engineering internships**Paris: **Hedera Technology (Software editor, startup of 8 employees)**Paris, London: 6 different summer and part time internships. Please refer to [linkedin](#) for more details.*2010 – 2011*
2007 - 2010

ADDITIONAL EXPERIENCE

Teaching experience

- UPenn TA:** Spring 2018: (Grad) [Networked Systems](#). Fall 2019 (Grad) [Software Systems](#).
- Duke TA:** Spring 2015: (Undergrad) [Introduction to Computer Science](#). Fall 2015: (Grad) [Distributed Systems](#). Spring 2016: (Undergrad) [Operating Systems](#).
- ESI TA:** Spring 2011 Novell, Mandriva, Ethical Hacking.

Service

- Eurosys 2020 Shadow PC member.
- TON 2019 reviewer, USENIX security 2019 reviewer.
- ACM XRDS Feature Editor: Fall 2016 – present
- Distributed System Laboratory Seminar student organizer, Sept 2017 - Sept 2018
- Supinfo Campus Lab Manager: Fall 2009 – Summer 2010.

Honors

- 2nd place at the SIGCOMM 2018 hackaton
- 1st place at the SIGCOMM 2017 Student Research Competition