

# Jun GAO

Research Associate - SNT - University of Luxembourg

@ gaojun0816@gmail.com

+352 661 445 720

Walferdange, Luxembourg

gaojun0816.github.io



## Education

Ph.D. in Android Security

University of Luxembourg

January 2017 – January 2021

Luxembourg

Dissertation: Mining App Lineages: A Security Perspective

M.S. in Communication Systems

Royal Institute of Technology (KTH)

September 2010 – March 2013

Stockholm, Sweden

Thesis: Cost and Performance Tradeoff Analysis of Cell Planning Levels

B.S. in Electronic Information Science and Technology

Kunming University of Science and Technology

September 2001 – July 2015

Kunming, China

## Professional Experience

University Of Luxembourg

Research Associate

2021 - Now

Luxembourg

- Reading research papers to follow up latest research status and state-of-the-art techniques and tools, in order to setup research goals and steps.
- Scraping websites and developing statistic analysis tools to collecting data for empirical studies or ML/DL model training.
- Develop tools, selecting ML algorithms or tuning DL networks to achieve research goals.
- Writing, revising, reviewing, publishing research papers, attending academic conference and presenting research results.

Yabroad Information Co. Ltd, China

Co-founder, CTO

2013 - 2016

Nantong, China

- Project management by collecting functionality requirements, planning development strategies and controlling development progress.
- Web application development including developed an online chatting system based on XMPP, developed the dynamic testing system based on selenium Python and implemented part of the website UI by using JavaScript, HTML and CSS.
- System setup and maintenance including VPN (openvpn), Access control (Linux iptable), Version control (Git), Webserver (AWS), CDN (CloudFlare), Workflow management systems.

Kunming University of Science and Technology

Network Engineer

2006 - 2010

Kunming, China

- Network design and maintenance including routing strategy, QoS, Load balancing etc.
- Services setup and maintenance such as DHCP, DNS, email, WWW, RAID.
- Network Security setup & monitor including Firewall, IPSec VPN, IDS/IPS (e.g., Snort), RADIUS.

## Summary

I possess fundamental knowledge in various fields such as software engineering, data science, telecommunication, networking. I have practiced and refined my skills not only in academic training but also in 7+ years of professional practice. I learned the art of teamwork and management from previous professional experience as well. I am an active and quick learner with a passion for a variety of new technologies.

## Skills

- **Programming:**  
Python, Java, Bash, JavaScript, C/C++, R, SQL
- **Data Science:**  
Analysis (Numpy, Pandas), Visualization (Matplotlib, Seaborn), ML (e.g., KNN, LR, SVM, RF, K-mean) with Scikits-learn, DL (e.g., CNN, RNN, Autoencoder) with Pytorch, CUDA, SPARK, HADOOP
- **Cyber Security:**  
Firewall, IDS/IPS, VPN, RADIUS, IKE
- **Web Dev:**  
HTML, CSS, jQuery, REST, XMPP, Django
- **Networking:**  
Socket programming, TCP/IP, NAT, OSPF, RIP, BGP, IGMP, GRE, QoS, STP

## Selected Honors

FOSS Impact Paper

Mining Software Repositories (MSR)

2018

Sweden

Honored Guest

Sino-Thai Higher Education Staff Exchange Program

2009

Thailand

National 1st Prize

Contemporary Undergraduate Mathematical Contest in Modeling

2004

China

## Languages

Chinese  
English  
French

