

## YOUNG LI

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### Awards

Aug 2016 – present CyberCorps: Scholarship for Service (granted by the NSF)

### Education

University of Illinois at Urbana-Champaign

Bachelor of Science in Computer Engineering

GPA: 3.51/4.0 Senior, graduating May 2018

Specializing in cyber security: reverse engineering, digital forensics

#### Courses

Computer Systems Programming

Computer Security I, II

Applied Cryptography

Digital Forensics I, II

Security Laboratory

Principles of Technical Communication

### Employment

May 2017 – Aug 2017 MITRE – Prototyping and Software Engineering Intern

- Prototyped a simple stream processing system using Apache Kafka
- Provisioned a testing environment for the system with Vagrant and VirtualBox
- Tested Kafka's authentication and access control to determine viability in United States Transportation Command (USTRANSCOM) IT systems

Jan 2017 – May 2017 U of I Technology Services Intern – Privacy and Security (in progress)

- Worked with the Privacy and Security team at the University of Illinois at Urbana-Champaign
- Automated parts of incident response system using Python scripts to run Splunk searches
- Tested CIF for use in Science DMZ Actionable Intelligence Appliance (SDAIA) on campus network to improve threat intelligence using honeypots, sensors

### Activities

Apr 2017 – May 2017 Bluetooth Smart: Sniffing Project (in progress)

- Implemented a sniffing attack on Bluetooth Smart devices
- Captured packets using a Bluefruit LE Sniffer and its Python API
- Reverse engineered communication between a laptop and a Bluetooth Smart-enabled mouse

April 1, 2017 Argonne Cyber Defense Competition (ACDC) – Pink Team Volunteer

- Learned penetration testing from professional pen-testers
- Assessed vulnerabilities in competing teams' networks using nmap, Nessus
- Exploited vulnerabilities in teams' networks with Metasploit, armitage

March 1, 2017 Collegiate Cyber-Defense Competition (CCDC) – Third Place in State Qualifier

- Competed in a mostly undergraduate team, placed in top third
- Secured a DNS server running Ubuntu Linux against penetration testers
- Implemented security best practices during the competition
- Wrote incident reports after data breaches

#### Software Development and Cyber Security Skills

Languages: C, C++, x86 assembly, Python, Java

Tools: Vagrant, VirtualBox, ollydbg, Linux command line, Git, Subversion