

Han Zhang

hazh@umich.edu | <https://zhanghan177.me> | (734) 834-7096
507 Walnut St Ann Arbor, MI 48104

EDUCATION

University of Michigan — Ann Arbor, MI
B.S. Computer Science

2014-2017

Course Highlights:

EECS 589 - Advanced Computer Networks	A	EECS 489 - Computer Networks	A+
EECS 388 - Intro Computer Security	A+	EECS 482 - Operating Systems	A-

PUBLICATIONS

- **Towards Comprehensive Repositories of Opinions** by Han Zhang, Kasra Edalat Nejad, Amir Rahmati, and Harsha V. Madhyastha, 15th ACM Workshop on Hot Topics in Networks (HotNets'16), Atlanta, GA, November 2016.

SKILLS

- C/C++, Python, Java, PHP, JavaScript, SQL, MongoDB, HTML
- Web application development, Android development, UNIX/Linux environment

EXPERIENCE

University of Michigan, Computer Science and Engineering May 2015 - Present
Research Assistant Ann Arbor, MI

- Developed an Android infrastructure that automatically infers user recommendations without requiring user's active involvement, while preserving user privacy
- Gained experience developing software systems that manage to balance usability/functionality and user privacy

Area 1 Security, Inc

Software Engineering Intern Summer 2016
Redwood City, CA

- Developed web dashboard, in Flask and PostgreSQL, to automate new customer configurations, including DNS record updates and email server customizations
- Launched internal phishing campaign tests which enhanced understanding in email and network protocols
- Applied the most up-to-date practices in phishing activity detections and malware detections to our products

Merit Network, Inc

Research Assistant September 2014 - May 2015
Ann Arbor, MI

- Implemented efficient algorithms for anomaly detection of malicious IPs from high volume network traffics
- Created web dashboard, in PHP, to interactively display IP heatmaps and analysis results
- Managed database in MongoDB to store traffic metadata and to provide backend API endpoints

TEACHING

EECS 388: Intro to Computer Security, University of Michigan

Teaching Assistant Fall, 2016
Ann Arbor, MI

- Lead weekly 50-people discussion section and hold office hours to help students at individual basis
- Update homework questions and project specifications

ACTIVITIES

University of Michigan CTF Club

Member September 2015 - Present

- Work on Computer Security challenges, known as Capture The Flag problems, on a weekly basis

Eta Kappa Nu (HKN)

September 2015 - Present

Active Member, Web Team Member

- Collaborate with website team members to develop new official website for HKN Beta Epsilon Chapter (in University of Michigan) using Django and SQL database