

# Han Zhang

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## EDUCATION

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

**May 2017**  
GPA: 3.87/4.00

### Course Highlights:

EECS 489 - Computer Networks      A+  
EECS 482 - Operating Systems      A-

EECS 388 - Intro Computer Security      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**

Summer 2016

*Software Engineering Intern*

*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**

September 2014 - May 2015

*Research Assistant*

*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**

Fall, 2016

*Teaching Assistant*

*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**

September 2015 - Present

*Member*

- 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