

David Adrian

Contact Information

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Online Information

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@thatDavidAdrian

Education

University of Michigan, Ann Arbor, MI
Bachelors of Science in Engineering, Computer Science Engineering

- GPA: 3.52/4.00
- ACADEMIC MINOR: Mathematics

Class of 2014

Research Experience

Research Assistant, *under Professor J. Alex Halderman*
www.zmap.io

2013 - Present

- Maintain ZMap, the Fast Internet Scanner.
- Building a search engine for ZMap scan datasets to facilitate broader access to Internet-wide measurement data in order to find, track, and patch security problems.

Whisper Project, *under Professor Robert P. Dick*
www.whispercomm.org

2011 - 2013

- Developed an Android framework (MANES) for testing feasibility, routing protocols, and location profile systems of large-scale mobile ad-hoc networks.
- Built a user-friendly censorship-resistant communication Android application on top of MANES, called Shout.
- Managed and led student software development teams.

Work Experience

Software Engineering Intern, *Duo Security*
www.duosecurity.com

Summer 2013

- Offered two-factor authentication-as-a-service, using mobile phones as the second authentication factor and push notifications for login approval.
- Grew various Python backend subsystems to support new features; handled all bugs, feature requests, and security considerations for the Duo Unix client.
- Wrote a patch for OpenSSH to securely allow third-party authentication plugins.

Network Technician, *CAEN*

2011 - 2012

- Maintained over 700 wireless access points for the College of Engineering campus

Teaching Experience

Instructional Aide, *EECS 280: Programming and Data Structures*

Fall 2013

- Introductory to data structures in C++ (classes, dynamic memory, etc.)
- Led weekly discussion section and held office hours twice per week.

Instructional Aide, *EECS 281: Data Structures and Algorithms*

Winter 2014

- Introductory course to algorithms in C++ (sorts, graphs, search, etc.)
- Led weekly discussion section and held weekly office hours

Leadership and Honors

Member Eta Kappa Nu (HKN), Beta Epsilon Chapter
AP Scholars Program Chair, Michigan CSE Scholars

2013 - Present
2012

Computer Skills

- **Languages:** C, C++, Java, Python, Javascript, Go, PHP, L^AT_EX, HTML/CSS
- **Platforms/Frameworks:** Android, Unix API, Node.js, Tornado/Cyclone/Twisted, React, Parse, Unity3D, OpenGL
- **Learning:** Haskell