David Adrian

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Education	**University of Michigan,** Ann Arbor, MI	Class of 2014

Bachelors of Science in Engineering, Computer Science Engineering
- GPA: 3.47/4.00
- CONCENTRATION: Minor in Mathematics
- SIGNIFICANT COURSES: Operating Systems, Computer Security, Artificial Intelligence, Computer Architecture, Digital Logic Design, Computer Graphics, Game Programming, Linear and Abstract Algebra, Statistics, Coding Theory, Cryptography

Work Experience

Software Engineering Intern, *Duo Security* 2013
www.duosecurity.com
- 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, such as a web interface for the Accounts API.
- Handled all bugs and feature requests for Duo Unix, as well as managing security considerations.
- Wrote a patch for OpenSSH to securely allow third-party authentication plugins.

Network Technician, *CAEN* 2011 - 2012
- Maintained UM College of Engineering computer network and IP/DNS space, including deploying 700 wireless access points.
- Configure network hardware and managed switches (Cisco, Force10, Juniper)

Research Experience

Research Assistant, *under Professor J. Alex Halderman* 2013 - Present
www.zmap.io
- Contribute to various security-related research projects, such as ZMap and ZSearch.

Whisper Project, *under Professor Robert P. Dick* 2011 - 2013
www.whispercomm.org
- 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 assisted other undergraduate students

Leadership and Honors

Instructional Aide, EECS 280: Programming and Data Structures 2013 - Present
Member Eta Kappa Nu (HKN), Beta Epsilon Chapter 2013 - Present
AP Scholars Program Chair, Michigan CSE Scholars 2012

Computer Skills

- **Languages:** Java, C, C++, Python, Javascript, PHP, LaTeX, HTML/CSS
- **Platforms/Frameworks:** Android, Unix, Node.js, Tornado/Cyclone/Twisted
- **Databases:** MySQL, SQLite, MongoDB, Redis, Voldemort, neo4j
- **Learning:** Haskell