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 - Present
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

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

Research Assistant, *under Professor J. Alex Halderman* — 2013 - Present
- Contribute to various security-related research projects, such as Telex and ZMap, beginning Fall 2013.

Leadership and Honors

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

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