

David Adrian

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Education	University of Michigan , Ann Arbor, MI <i>Bachelors of Science in Engineering, Computer Science Engineering</i> <ul style="list-style-type: none">• GPA: 3.47/4.00• ACADEMIC MINOR: Mathematics	Class of 2014
Research Experience	Research Assistant , <i>under Professor J. Alex Halderman</i> www.zmap.io <ul style="list-style-type: none">• 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 , <i>under Professor Robert P. Dick</i> www.whispercomm.org <ul style="list-style-type: none">• 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.	2013 - Present 2011 - 2013
Work Experience	Software Engineering Intern , <i>Duo Security</i> www.duosecurity.com <ul style="list-style-type: none">• 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 , <i>CAEN</i> <ul style="list-style-type: none">• Maintained over 700 wireless access points for the College of Engineering campus	Summer 2013 2011 - 2012
Teaching Experience	Instructional Aide , <i>EECS 280: Programming and Data Structures</i> <ul style="list-style-type: none">• Introductory to data structures in C++ (classes, dynamic memory, etc.)• Led weekly discussion section and held office hours twice per week. Instructional Aide , <i>EECS 281: Data Structures and Algorithms</i> <ul style="list-style-type: none">• Introductory course to algorithms in C++ (sorts, graphs, search, etc.)• Led weekly discussion section and held weekly office hours	Fall 2013 Winter 2014
Leadership and Honors	Member Eta Kappa Nu (HKN) , Beta Epsilon Chapter AP Scholars Program Chair , Michigan CSE Scholars	2013 - Present 2012
Computer Skills	<ul style="list-style-type: none">• Languages: C, C++, Java, Python, Javascript, PHP, L^AT_EX, HTML/CSS• Platforms/Frameworks: Android, Unix, Node.js, Tornado/Cyclone/Twisted• Databases: MySQL, SQLite, MongoDB, Redis, Voldemort, neo4j• Learning: Haskell	