

David Adrian

Contact Information

2260 Hayward
Room 4828
Ann Arbor, MI 48109
(734) 972-0709

Online Information

davadria@umich.edu
davidadrian.org
@davidcadrian

Education	University of Michigan , Ann Arbor, MI <i>Masters of Science in Engineering, Computer Science</i>	Class of 2016
	University of Michigan , Ann Arbor, MI <i>Bachelors of Science in Engineering, Computer Science</i> <ul style="list-style-type: none">• GPA: 3.52/4.00• ACADEMIC MINOR: Mathematics	Class of 2014
Publications	Zipper ZMap: Internet-Wide Scanning at 10 Gbps David Adrian, Zakir Durumeric, Gulshan Singh and J. Alex Halderman 8th USENIX Workshop on Offensive Technologies (WOOT '14)	
Research Experience	Research Assistant , <i>with Professor J. Alex Halderman</i>	2013 - Present
	<ul style="list-style-type: none">• Computer security and Internet measurement research, concentrating on taking a global view of network ecosystems to gain valuable and novel security insights.• Created a tool to track the Heartbleed Vulnerability and subsequent patching across the entire Internet.• Primary maintainer of ZMap, the Fast Internet Scanner.	
	Whisper Project , <i>with Professor Robert P. Dick</i>	2011 - 2013
	<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.	
Work Experience	Software Engineering Intern , <i>Duo Security</i>	Summer 2013
	<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.	
Teaching Experience	Instructional Aide , <i>EECS 280: Programming and Data Structures</i>	Fall 2013
	Instructional Aide , <i>EECS 281: Data Structures and Algorithms</i> <ul style="list-style-type: none">• Led weekly discussion section and held office hours twice per week.	Winter 2014
Leadership and Honors	Eta Kappa Nu (HKN) , <i>Beta Epsilon Chapter</i>	2013 - Present
	<ul style="list-style-type: none">• Taught local high school and middle school students programming in Java and Android application development.	
Computer Skills	Languages: C, C++, Java, Python, Javascript, Go, PHP, L ^A T _E X, HTML/CSS, Haskell	
	Platforms/Frameworks: Android, Unix API, Node.js, Tornado/Cyclone/Twisted, React, Parse, Unity3D, OpenGL, MATLAB	
	Databases: MySQL, MongoDB, Voldemort, Redis, neo4j	