

# James D. Kasten, Jr.

1780 Broadway Street, Apt S230, Ann Arbor, MI 48105  
(419) 706-6285 [jdkasten@umich.edu](mailto:jdkasten@umich.edu)

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## RESEARCH

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I am a fifth year Ph.D. student in the Computer Science and Engineering Department at the University of Michigan. My focus is on computer security with a particular interest in creating practical security solutions. Through my work, I hope to make security accessible and usable in applications for the masses. I am advised by Professor J. Alex Halderman.

## WORK EXPERIENCE

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### **Electronic Frontier Foundation**, Consultant

San Francisco, California, November 2014 – Present

- Lead author of the Let's Encrypt client for the newly formed ISRG CA
- Project automatically configures and enables HTTPS for web servers with trusted certificates

### **University of Michigan**, Advanced Compilers GSI, Introduction to Computer Security GSI

Ann Arbor, Michigan, Fall 2012 and Fall 2013

- Consulted on student projects and homework
- Taught multiple lectures and discussion sections
- GSI Award, Fall 2013

### **Raytheon SI Government Solutions Inc.**, Computer Network Operations Intern

Annapolis Junction, Maryland, June 2013 – September 2013

- Designed and developed networking tools for use throughout Raytheon

## EDUCATION

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### **University of Michigan**, Ann Arbor, Michigan, August 2010 – Present

- M.S. Computer Science and Engineering, May 2012
- Ph.D. Candidate in Computer Science and Engineering
- GPA: 4.000 / 4.000
- STIET Research Fellow, 2010 – 2012

### **Vanderbilt University**, Nashville, Tennessee, August 2006 – May 2010

- B.A. Double Major in Economics and Computer Science, *summa cum laude*
- GPA: 3.964 / 4.000
- Member of Gamma Beta Phi – National Honor and Service Society
- Computer Science Program Award, 2010

## PUBLICATIONS

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### **The Matter of Heartbleed**

Zakir Durumeric, Frank Li, [James Kasten](#), Johanna Amann, Jethro Beekman, Mathias Payer, Nicolas Weaver, David Adrian, Vern Paxson, Michael Bailey, and J. Alex Halderman

*Proc. 14th Internet Measurement Conference (IMC '14), Barcelona, Spain, October 2014 – Best Paper Award*

### **Analysis of the HTTPS Certificate Ecosystem**

Zakir Durumeric, [James Kasten](#), Michael Bailey, and J. Alex Halderman

*Proc. 13th Internet Measurement Conference (IMC '13), Barcelona, Spain, October 2013*

### **CAge: Taming Certificate Authorities by Inferring Restricted Scopes**

[James Kasten](#), Eric Wustrow, J. Alex Halderman

*Proc. 17th Intl. Conference on Financial Cryptography and Data Security (FC), Okinawa, Japan, April 2013*

## VARSIITY ATHLETICS

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### **Vanderbilt University Men's Cross Country**, Nashville, Tennessee, Fall 2007 – Fall 2009

- 3-Year Letter Winner
- Newcomer of the Year Award, 2007