

# Jesse Victors

[Address redacted from public resume]

[phone redacted]  
j.victors at jessevictors.com  
(encrypted communication available)

## Security Consultant, Ethical Hacker, and Software Developer

### EDUCATION

- Utah State University in Logan, UT
- M.S. Computer Science, thesis in network security May 2015, GPA 3.61
- B.S. Computer Science, science emphasis Dec 2013, GPA 3.48

### Scholarships & Recognitions:

- Good Standing Fall 2012 to May 2015
- Dean's List Fall 2010 to Spring 2012

### WORK & LEADERSHIP HISTORY

- Security consultant at Cigital/Synopsys February 2016 – present
- Developer for the Tor anonymity network Fall 2014 to Summer 2015
- Software engineer for USU's Space Dynamics Laboratory Summer 2014 and 2015
- Software lead for USU Robosub autonomous submersible Fall 2013 to Spring 2015

### SKILLS AND EXPERIENCE

#### Computer Security

- Manual penetration testing of websites for three Fortune 100 companies
- Coordinated with internal security teams and developers to ensure timely remediations
- Discovered 0-day vulnerabilities in production applications
- Upgraded client policies and documentation
- Improved business relationships with clients
- Strong background in network security and applied cryptography
- Interest in privacy-enhancing networks and security-oriented protocols

#### Software Development

- ~1700 commits, 30 repositories, and 24 followers on Github
- Preferred languages: C++11, Bash, PHP, Javascript, OpenGL, SQLite/MySQL, Android
- Experience with Linux packaging, remote building, and continuous integration
- Developed and secured e-commerce site for large beekeeping business

#### Technical Writing

- Authored three papers related to the Tor network
- Lead author of ProtonMail and Folding@home articles on Wikipedia
- Technical assistant for Folding@home, Curecoin, and the Tor Project
- Editor and administrator for Folding@home and AlaskaWildflowerHoney.com websites

#### Independent Projects

- Designed, developed, and deployed a secure distributed DNS for Tor hidden services
- Reverse-engineered protocols used by the HTC Vive VR system
- Modified Android/LineageOS and Signal app to improve privacy
- Worked closely with founders of ProtonMail, a Swiss-based encrypted email service
- Built an ad-hoc router that reliably held a WiFi link across two miles of ocean