

Matthew Gambogi

CONTACT INFORMATION	Rochester Institute of Technology 704 Park Point Dr #1 Rochester, NY 14623 (703) 999-3742	312 Pathway Pl SW Leesburg, Virginia 20175 m@gambogi.com matt.gambogi.com github.com/gambogi
EDUCATION	Rochester Institute of Technology - Rochester, NY B.S. Computer Science, minor in Economics.	Sept 2012 - Dec 2016 (Expected)
WORK EXPERIENCE	Xyntek Inc. - Remote Software Developer Contracted to Janssen, a Johnson and Johnson company. Using Haskell and 4store to analyze material flow through a pharmaceutical recipe. athenahealth - Boston, MA Software Developer Intern Member of the Security Development team. Worked on an internal cross-site scripting vulnerability detection utility. Specifically targeted a large perl web application. OracleSQL was used for database support and Perforce was used for version control. Kaprica Security - Reston, VA Software Developer Intern Worked on a python web application using Flask, SQLAlchemy backed by PostgreSQL. Worked on front-end, back-end. Also contacted suppliers for potential hardware obfuscation solutions. SecureIT - Reston, VA Cyber Ninja (Research Intern) Studied, tested, and developed exploitation and exploit prevention techniques. Designed data collection systems. Darpa Projects: www.ctf.usma.edu/currentProjects.htm Poor Mans Control Flow Integrity (PMCFI) project: Designing and running tests on an experimental kernel level security system Process Gossip: Designed data collection scripts investigating the state of /proc/ for a possible side channel attack in the design of the Android keyboard process.	Sept 2014 - Present http://xyntekinc.com Summer 2014 http://www.athenahealth.com Summer 2013 http://www.kapricasecurity.com Summer 2012 http://secureit.com
TECHNICAL SKILLS	Languages (a) Python (b) C (c) Java (d) Haskell (e) OCaml (f) Perl (g) HTML/CSS Tools (a) gdb (b) git (c) Perforce (d) OracleSQL (e) postgresSQL (f) vim (g) Eclipse (h) troff	
PERSONAL PROJECTS	PVAL (Peer Value Assessment Ledger) A Perl web application for use in the Evaluations process of the Computer Science House. Interfaces with LDAP, caches results in memcache, and uses DBIX for ORM. Still in development. csb.py Provides a python interface for many internal Computer Science House services, including LDAP, Webnews (an NNTP backed forum developed by another member). Used by multiple other projects within the organization. webOS Desktop Environment (2012) Wrote start up scripts and added features to the Window Management System, packaged it, created a lightweight Ubuntu derivative with the resulting environment. Improved desktop usability. Unfortunately lost, because of poor understanding of version control at the time.	
EXTRACURRICULAR	Computer Science House (CSH) Active Member, History Director 2014 A student run technical organization, emphasizing technical projects and group learning. Cyber Security Competition Team (High School) Founded Senior year. Recruited a number of classmates, mentors from Lockheed Martin. Competed in the Cyber Security Awareness Week (CSAW) High School division.	http://www.csb.rit.edu/ September 2012 - Present Fall 2011