

# Robert A. Peaslee

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**Target Positions:** Software Engineer or related

## Right to Work

**Citizenship:** USA

**Security Clearance:** DoD Top Secret + SCI (current and active) **Relocation:** Negotiable

## Education

**Rochester Institute of Technology**

BS in Computer Science

Rochester, NY

May, 2008

## Work Experience

### Topia Technology

Software Engineer

Tacoma, WA

September 2008 – February 2010

- Designed, implemented, and delivered distributed test harness for DoD PL2 certification (Java, XML, Beanshell)
- Prototyped a distributed, peer to peer file system using Git as a cache manager (Git, Python)
- Designed from requirements and developed a secure application deployment container (Java, Spring, Jetty)
- Miscellaneous cryptographic modules utilizing symmetric and asymmetric cryptographic principles

### Science Applications International Corporation (SAIC)

Software Engineer

Chantilly, VA

April 2007 – June 2008

- Java interface development for biometrics algorithm analysis framework (Java, Swing)
- Biometrics algorithm development, integration, and maintenance for multiple modalities (Java, C++)
- Responsible for guiding development, deciding on features to implement, and establishing personal timelines

### Rochester Institute of Technology Software Engineering Department

Assistant System Administrator

Rochester, NY

January 2006 – February 2007 / Summer 2008

- Producing and deploying scripted solutions for automated Nagios and Osiris installation (Bash, Ruby)
- Rewriting authentication for web applications to use LDAP (PHP)

### Topia Technology

Research Engineering Co-op

Tacoma, WA

Summer 2006

- Developed optimization and organization algorithms in Java for dynamic data pipeline construction
- Rapidly developed a distributed testing environment in Ruby

## Projects

**LostAFollower.com** (Current project) – Designed, developed, and deployed a massively scalable distributed web application monitoring Twitter users (Java, Python, CouchDB, JSON, REST, XHTML, CSS)

**Intrusion Detection System** – Neural network and statistical based misuse/anomaly based IDS (Python)

**Quiz Administering System** (Independent study) – Quiz administering system written for the CS department at RIT utilizing python and python server pages, supported with a self-administrated MySQL backend and LDAP

**Robolution** – Distributed and parallel robot evolution simulator utilizing genetic algorithms (C, MPI)

**ResetBIOS** (Independent research project) – Tool written in C to reset the system's BIOS from software

## Computer Skills

**Programming:** Java, Python, Bash, C, C++, Ruby, C#, PHP, AspectJ, CLISP

**Operating Systems:** Linux (Debian/Ubuntu/SuSe/CentOS/Fedora/RHEL), Windows, \*BSD, MacOSX, Solaris

**Misc:** Distributed/parallel computing, virtualization, agile development, secure coding, cryptography, aspect-oriented programming, PL1/2/3 certification, network programming, unit and integration testing

## Activities and Honors

**Dean's List, Computer Science**

Spring 2007, Fall 2008

**Chairman, Computer Science House (CSH)**

August, 2006 – April 2007

## Conferences and Lectures

**Barcamp Tacoma 1** - (Host/Organizer) – (Presenter) Everyday Cryptography

Summer 2009

**Barcamp Rochester 3** – (Presenter) Exploiting Buffer Overflows

Spring 2008

**Society of Lectors** – (Presenter) Three lectures, covering exploitation and shellcode (series)

Spring 2008