Seth Rait

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EDUCATION

Brandeis University
BS in Computer Science
Exp. May 2018 | Waltham, MA
GPA: 3.64
Dean's List: 3 semesters

LINKS

Github: // **sethrait**
LinkedIn: // **sethrait**
Twitter: // **@sethrait**

SKILLS

Programming

Most comfortable with:

Java
C++
Powershell
Bash

Also utilized:

Python
JavaScript
SQL

Software

VMware suite (Horizon, vCenter, ESXi, Worsktation, etc.)
Google Cloud Platform
Vanadium
JIRA Service Desk

COURSEWORK

Cryptography and Computer Security
Advanced Programming Techniques
Data Structures
Discrete Mathematics
SICP
Theory of Computation
Operating Systems

EXPERIENCE

Google
Engineering Practicum Intern
May 2016 – Aug 2016 | Kirkland, WA

- Enabled secure storage, transfer, and integrity of data using both new and currently available encryption solutions
- Tested the efficacy of security offerings in order to examine usage viability in core infrastructure
- Modified unsafe and inefficient functionality with standardized and accepted implementations of security principles

Brandeis University Department of Computer Science
Undergraduate Department Representative
May 2016 – Present | Waltham, MA

- Liaise between students, faculty and administrators on current department issues and events
- Organize department events, generating greater involvement by students in the computer science community
- Advise new students of department and career development resources

Heller School for Social Policy and Management
Assistant Systems Administrator
December 2014 – Present | Waltham, MA

- Customize and deploy builds for Thin-Client systems
- Allocate server resources dynamically and manually to groups and pools for data/CPU intensive tasks
- Deploy 2FA and IP-blacklists to air gapped systems and SFTP servers

PROJECTS AND LEADERSHIP

Shamir Secret Sharing
Java implementation of Shamir's Secret Sharing Scheme in a finite field. Optimized the standard algorithm to achieve faster runtime with equivalent security.
http://GitHub.com/sethrait/shamir

Edgar Allen Poetry
Turing Test for poetry generated by a Markov Chain and a Neural Net. Which one, if either, can fool a person?
http://rmarcus.info/eap ,
http://GitHub.com/ryanmarcus/edgarallanpoetry

Subnet Reporting
Suite of programs for discovering and reporting on IP usage for statically assigned addresses on a given subnet.
http://GitHub.com/sethrait/ipusage

BITMAP
President of the Brandeis Initiative for Technology Machines, Apps and Programming. Brandeis University's largest and oldest tech club. Lead organizer of the annual hackathon, Codestellation
http://Codestellation.io