Nick Spinale

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EDUCATION

CARLETON COLLEGE
MATH/COMPUTER SCIENCE
Sep 2014 – May 2018 | Northfield, MN
Major GPA: 4.0

SELECTED COURSES
Programming Languages
Computer Architecture
Software Development
Operating Systems
Data Mining
Probability Theory
Statistical Inference
Abstract Algebra
Multivariable Calculus
Topics in Elliptic Curves

RENI INSTITUTE
MATHEMATICS
Aug – Dec 2016 | Budapest, Hungary
GPA: 4.2

COURSES
Mathematical Cryptography
Theory of Computing
Number Theory
Graph Theory
Set Theory

SKILLS

LANGUAGES
Over 5000 lines:
Haskell • Python • C • Java SE/EE
JavaScript (JQuery, Angular) • TeX
Over 1000 lines:
Shell • R • HTML/CSS • Nix
Scheme/Racket • VimScript
Familiar:
C++ • x86 ASM • Agda
R • Ruby • MATLAB

SYSTEMS AND TOOLS
Git • Gradle • Maven
Nginx • Unix-like environments
Linux (NixOS, Ubuntu, Debain)
Drozer • Burp

LINKS

- nickspinale.com
- github.com/nickspinale
- linkedin.com/in/nickspinale
- spinalen@carleton.edu
- 781.654.5163

EXPERIENCE

GOOGLE | SOFTWARE ENGINEERING INTERN
June 2017 – Present | Sunnyvale, CA
- Working on security within service-oriented infrastructure.

CARVE SYSTEMS, LLC | HackNY FELLOW + INTERN
June 2016 – December 2016 | New York, NY
- Conduct penetration tests on client systems and products.
- Create tools for automating vulnerability discovering in a variety of systems.
- Maintain servers and services for simulating attacks and streamlining the security assessment and reporting process.

DATRIUM, INC | SOFTWARE ENGINEERING EXTERN
December 2015 | Sunnyvale, CA
- Collaborated with a team of senior engineers and researchers on a cutting-edge virtualized storage system.
- Built a set of utilities for deserializing intermediate data from a long-running space reclamation process.

PISMO INVESTMENTS | SOFTWARE ENGINEERING INTERN
June – September 2015 | Waltham, MA
- Contributed to the schematics of an inference engine for modeling and analyzing corporate structure.
- Built and maintained an Enterprise Java backend that interfaced with a relational database and exposed a REST API.
- Designed a web application using Angular.js that demonstrated Pismo's product's modeling capabilities to potential investors.

CARLETON COLLEGE | COMPUTER SCIENCE LAB ASSISTANT
September 2015 – Present | Northfield, MN
- Aid fellow Computer Science students in developing problem solving skills and algorithmic intuition.
- Identify, explain, and help correct bugs in students' Python, Java, C, MIPS, and Scheme programs.

CARLTV | WRITER, FOUNDING MEMBER
September 2015 – Present | Northfield, MN
- Write and produce a Daily Show-like satire program with a team of peers.
- Collaborated in an effort to charter the organization and recruit a new generation of members.

COLEGIO SALESIANO DON BOSCO | ENGLISH TEACHER
May – July 2014 | Masaya, Nicaragua
- Taught English classes of up to fifty students from grades four through six in an economically struggling neighborhood.
- Organized, advertised, and led language exchange groups open to the public.
- Assisted in teaching upper-level English to high school students and adults.

AWARDS

2016	HackNY Fellow	HackNY.org
2014	U.S. Presidential Scholar	U.S. Department of Education