Nick Spinale

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EDUCATION

RENI INSTITUTE
MATHEMATICS
In Progress | Budapest, Hungary
Cum. GPA: N/A
COURSES
(In Progress)
Mathematical Cryptography
Theory of Computing
Number Theory
Graph Theory
Set Theory

CARLETON COLLEGE
MATH/COMPUTER SCIENCE
Expected May 2018 | Northfield, MN
Cum. GPA: 3.76
Major GPA: 4.0
SELECTED COURSES
Mathematical Structures
Multivariable Calculus
Abstract Algebra
Computer Architecture
Operating Systems
Programming Languages
Software Development

SKILLS

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

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

LINKS

- 🌐 nickspinale.com
- 🎧 github.com/nickspinale
- in linkedin.com/in/nickspinale
- ✉ spinalen@carleton.edu
- 📞 781.654.5163

EXPERIENCE

CARVE SYSTEMS, LLC | HACKNY FELLOW + INTERN
June 2016 – Present | New York, NY
- Participate in penetration tests for client systems and products.
- Create tools for automating vulnerability discovering in a variety of systems.
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DATRIUM, INC | SOFTWARE ENGINEERING INTERN
December 2015 | Sunnyvale, CA
- Worked with a team of experienced engineers 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 INTERM
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 frontend using Angular.js that demonstrated our software's modeling capabilities to potential investors.

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

CARLTV | WRITER, FOUNDING MEMBER
September 2015 – Present | Northfield, MN
- Heavily involved in the scripting and production of a Daily Show-like satire program.
- Helped 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 to six in an economically struggling neighborhood.
- Assisted in teaching upper-level English to adults, specializing in idiom usage and accent.
- Organized, publicized, and led open language exchange groups for the city's residents.

AWARDS

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