

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](https://www.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.

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