

# 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: 3.82

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:*

Ruby • Agda

### SYSTEMS AND TOOLS

Git • Maven

Nginx • Unix-like environments

Linux (NixOS, Ubuntu, Debain)

## LINKS



nickspinale.com



github.com/nickspinale



linkedin.com/in/nickspinale



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## EXPERIENCE

### CARVE SYSTEMS, LLC | HACKNY FELLOW + INTERN

June 2016 – Present | New York, NY

- Participate in penetration tests
- Create tools for discovering vulnerabilities in various 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 debugging 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

- Involved in the scripting and production of a Daily Show-like satire program.
- Helped to re-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](http://hackny.org)

2014 U.S. Presidential Scholar U.S. Commission on Presidential Scholars