

Ramsey, NJ

# MITCHELL FALKOW

[www.mdfalkow.com](http://www.mdfalkow.com)

[mdfalkow@gmail.com](mailto:mdfalkow@gmail.com)

(201) 921-4874

## EDUCATION

### Rensselaer Polytechnic Institute

Troy, NY

Candidate for a B.S. in Computer Science and Mathematics—GPA: 3.78

Class of 2020

- Current Coursework: Natural Language Processing, Intro to Artificial Intelligence, Computational Optimization, Intro to Data Mathematics
- Previous Coursework: Intro to Algorithms, Principles of Software, Linear Algebra, Foundations of Analysis, Data Structures, Discrete Mathematics, Computer Organization, Multivariable Calculus, Differential Equations

## TECHNICAL SKILLS

- **Languages:** Java, JavaScript, C++, Python, HTML, CSS, SCSS/SASS, R
- **Experienced with:** Git, MongoDB, Node.js, Vue.js, Spring, Spring Boot, Bootstrap, JQuery
- **Operating Systems:** Unix, Windows

## RELEVANT EXPERIENCE

### The MITRE Corporation

Bedford, MA

Software Engineering Intern

Summer 2018

- Prototyped DevOps dashboard to visualize security requirements for U.S. Airforce Kessel Run software development teams.
- Developed 2 Java Spring Boot microservices and 1 Vue.js web-client component in a multi-repository microservice architecture.
- Performed on-site visits to software development teams to socialize product adoption and iterate design.
- Granted Secret DoD security clearance.

### Smartling, Inc.

New York, NY

Product Team Intern

Summer 2016

- Designed a website to demonstrate Smartling's translation technology utilizing RESTful architecture and webpages built in HTML, CSS, and Javascript.  
([smartlinghotels.herokuapp.com](http://smartlinghotels.herokuapp.com))

## EXTRACURRICULARS

### coding&&community

Troy, NY

Volunteer Instructor

Fall 2018

- Leading weekly introductory Python, Arduino, and web development lessons for local 6th-9th graders.

—Present

### Rensselaer Center for Open Source

Troy, NY

Open Source Curriculum Project—Project Mentor

Fall 2018

- Developing an open source tool for Coding && Community to create programming curriculums for teens. ([github.com/codingandcommunity/rcos-open-source-curriculum-project](https://github.com/codingandcommunity/rcos-open-source-curriculum-project))

—Present

Soul Engine

Spring 2018

- Participated in the development of a cinematic engine built in C++ designed to specialize in the use of ray-tracing. ([github.com/Synodic-Software/Soul-Engine](https://github.com/Synodic-Software/Soul-Engine))

## LEADERSHIP EXPERIENCE

### Shidokan Karate of Mahwah

Mahwah, NJ

2<sup>nd</sup> Degree Black Belt, Instructor

2008–Present

- Instructing traditional Okinawan karate classes for children and adults since 2014.