

# Mitchell Falkow

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## Education

### Rensselaer Polytechnic Institute

BS IN COMPUTER SCIENCE AND MATHEMATICS

Troy, NY

Aug 2017 – May 2020

- GPA: 3.81
- Relevant Coursework:
  - Natural Language Processing, Intro. to A.I., Intro. to Data Math, Computational Optimization, Intro to Algorithms, Principles of Software, Linear Algebra, Data Structures, Multivariable Calculus

## Technical Skills

<b>Languages:</b>	Java, Javascript, Python, R, C++, SQL/MySQL, MongoDB
<b>Frameworks/Libraries:</b>	Java Spring Boot, React, Vue.js, MongoDB, Node.js, Material UI, Bootstrap
<b>Concepts:</b>	REST APIs, Microservice Architecture, Machine Learning, Natural Language Processing
<b>Other:</b>	Git, Unix, Windows

## Work Experience

### Royal Bank of Canada

Jersey City, NJ

TECHNOLOGY INFRASTRUCTURE INTERN

Jun 2019 – Aug 2019

- Designed a dashboard for monitoring internal RBC services' statuses in real-time, providing greater overall transparency, and streamlining the process of identifying the cause of problems with a service's functionality
- Constructed using full-stack technologies: a React front-end with a Java Spring Boot backend with REST API and MySQL database for persistence
- Co-ran an internal workshop providing an introduction to machine learning and data analysis

### The MITRE Corporation

Bedford, MA

SOFTWARE ENGINEERING INTERN

May 2018 – Aug 2018

- Prototyped a DevOps dashboard for visualizing security requirements for U.S. Airforce software development teams
- Developed two Java Spring Boot microservices and a Vue.js web-client in a multi-repository microservice architecture

### Smartling, Inc.

New York, NY

PRODUCT TEAM INTERN

Jul 2016 – Aug 2016

- Created a website to demonstrate Smartling's translation technology
- Used HTML/CSS and Javascript, with Node.js and express.js for RESTful architecture and Bootstrap 3.0 for styling.

## Extracurriculars

### Rensselaer Center for Open Source

Troy, NY

MENTOR, CONTRIBUTOR

Jan 2018 – Present

#### Open Source Curriculum Project

MENTOR, CONTRIBUTOR

Sep 2018 – Present

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

### coding&&community

Troy, NY

VOLUNTEER INSTRUCTOR

Sep 2018 – Present

- Leading weekly introductory Python, Arduino, and web development lessons for local 6th-9th graders
- Volunteering for multiple outreach programs throughout year, including hackathon-style events

### Shorin-ryu Shidokan Karate

Mahwah, NJ

3RD DEGREE BLACKBELT, VOLUNTEER INSTRUCTOR

January 2008 – Present

- Instructing traditional Okinawan karate classes for children and adults