

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

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

Work Experience

Royal Bank of Canada

TECHNOLOGY INFRASTRUCTURE INTERN

Jersey City, NJ

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

SOFTWARE ENGINEERING INTERN

Bedford, MA

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.

PRODUCT TEAM INTERN

New York, NY

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

MENTOR, CONTRIBUTOR

Troy, NY

Jan 2018 – Present

Open Source Curriculum Project

MENTOR, CONTRIBUTOR

Sep 2018 – Present

- Developing an open-source tool for 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

VOLUNTEER INSTRUCTOR

Troy, NY

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

3RD DEGREE BLACKBELT, VOLUNTEER INSTRUCTOR

Mahwah, NJ

January 2008 – Present

- Instructing traditional Okinawan karate classes for children and adults