MITCHELL FALKOW

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EDUCATION

Rensselaer Polytechnic Institute   **Troy, NY**
Candidate for a B.S. in Computer Science and Mathematics—*GPA: 3.81*   Class of 2020
➢ Coursework:
Natural Language Processing, Intro to Artificial Intelligence, Computational Optimization,
Intro to Data Math 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, Python, C++, R, HTML, CSS, SCSS/SASS
➢ **Experienced with**: Git, MongoDB, Vue.js, React, Node, Java Spring Boot, Bootstrap
➢ **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 (Node.js, Express) and webpages built in HTML, CSS, and Javascript.
(smartlinghotels.herokuapp.com)

EXTRACURRICULARS

coding&&community   **Troy, NY**
Volunteer Instructor   Fall 2018
➢ Leading weekly introductory Python, Arduino, and web development lessons for local   —Present
6th-9th graders.

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   —Present
curriculums for teens. (github.com/codingandcommunity/rcos-open-source-curriculum-project)

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)

LEADERSHIP EXPERIENCE

Shidokan Karate of Mahwah   **Mahwah, NJ**
3nd Degree Black Belt, Instructor   2008–Present
➢ Instructing traditional Okinawan karate classes for children and adults since 2014.