

## EDUCATION

**Rensselaer Polytechnic Institute**

Troy, NY

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

Class of 2020

- Current Coursework: Intro. to Algorithms, Principles of Software, Linear Algebra, Foundations of Analysis
- Previous Coursework: Data Structures, Discrete Mathematics, Computer Organization, Multivariable Calculus, Differential Equations, Introductory Economics, Money and Banking

## TECHNICAL SKILLS

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

## RELEVANT EXPERIENCE

**MITRE Corporation**

Bedford, MA

*Software Engineering Intern*

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*

2016

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

## EXTRACURRICULARS

**coding&&community**

Troy, NY

*Volunteer Instructor*

2018—Present

- Leading weekly introductory Python, Arduino, and web development lessons for local 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 curriculums for teens. (<https://github.com/codingandcommunity/fast-forward>)

—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.