

# Jonathan Elias Caicedo

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## Residential Address

**302 Derik Court**  
**New Castle, Delaware 19720**

## Campus Address

**277 Congress Street**  
**Apartment 1A**  
**Troy, New York 12180**

## Education

**Rensselaer Polytechnic Institute** - Troy, New York  
Bachelor of Computer Science and Information Technology & Web Science  
GPA - 3.23

Anticipated June 2019

## Experience

**Capital Region Otolaryngology** - Infrastructure and Systems Administrator  
*Albany, New York*

June 2017 - Present

- Maintain entire IT infrastructure including office computers, networking equipment, and servers
- Perform security audits and pentest infrastructure on regularly to ensure data security and integrity in compliance with federal and local laws
- Troubleshoot and address various client issues and concerns

**CodeHS** - Tutor

November 2015 - Present

- Provide feedback and support students as they work on CodeHS's course materials
- Create resources to supplement CodeHS's portfolio of instructor and teaching materials

## Skills and Interests

**Very Good:** Go, Javascript, HTML, CSS/SASS, C, C++, Git

**Good:** Java, Python

**Intermediate:** SQL, PHP, Ruby, R

**Prior Exposure:** Assembly/LLVM, Haskell, Erlang, Android, iOS

**Interests and Hobbies:** Cryptography and Cybersecurity, DevOps, OpSec, Networking, Web Development, Photography

**Operating Systems:** Linux, BSD, Windows, MacOS, Arduino

**Frameworks:** Node.js, Express.js, Angular.js, Vue.js, Django, Meteor

**Systems/Tools:** Docker, HAProxy, Nginx, Redis,

## Organizations and Civic Engagement

- ***The Polytechnic*** - Associate Photography Editor and Systems Coordinator Spring 2016 - Present
  - I assist in publishing *The Polytechnic*, Rensselaer Polytechnic Institute's student newspaper, on a weekly basis. I am also responsible in helping develop and maintain numerous facets of *The Polytechnic's* systems and web infrastructure.
- **Web Technologies Group** - Vice Chairman September 2016 - Present
  - I help develop, manage, and maintain numerous open-source web projects that help to better the college experience for students at Rensselaer Polytechnic Institute.
- **HackRPI** - Organizer and Mentor November 2016 & 2017
  - I helped organize HackRPI, Rensselaer Polytechnic Institute's annual hackathon which attracts over 500 students from various institutions in the northeastern United States and beyond. During the hackathon, I was one of numerous mentors available to answer questions and provide programming help to hackers.
- **RCOS (Rensselaer Center for Open Source)** - Mentor and Member September 2016 - Present
  - As a member of RCOS, I contribute to numerous open-source projects, many of which were created by other students, as well as developing and maintaining open-source projects of my own. RCOS provides a constructive and supportive environment that benefits my development and project skills.
- **Coding&&Community** - Mentor and Member Spring 2018 - Present
  - Coding&&Community is an on-campus organization that teaches the fundamentals of computer science to middle and high school students in New York State's Science and Technology Entry Program, the majority of whom come from historically underrepresented groups in STEM. As a mentor, I participate in hosted workshops, working with students to explore computer science with numerous activities, such as designing a basic website using HTML and CSS, making a calculator in Python, or making basic games using Java.

## Recognition and Awards

- **Rensselaer Leadership Award**
  - Given by Rensselaer Polytechnic Institute in recognition of an outstanding record of academic and personal achievements, a strong commitment to excellence, and illustration of intellectual curiosity.
- **Rensselaer Dean's Honor List** Spring 2016, Spring 2017, Fall 2017
  - The Dean's Honor List recognizes students who have attained a grade point average of 3.50 or better, and have no grade below C for the semester.