

# SHAYNE F. PRESTON

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Personal Website: <https://prests.github.io/shaynewebsite/>

GitHub: <https://github.com/prests>

## Education

**Rensselaer Polytechnic Institute | Troy, New York**

**Bachelor of Science in Computer and Systems Engineering**

**GPA: 3.00**

**Class of 2019**

### Related Skills

- Linux, Bash, Python 3, Azure, AWS, Java, JavaScript, Node.js, Express, Postgres, Typescript, Angular 5, Bootstrap 4, HTML, CSS, C++, C#, Visual Studio 2017, Git, Unity, Microsoft Office and Windows
- Block Ciphers, Stream Ciphers, Public Key Cryptography, Asymmetric and Symmetric cryptography
- Strong leadership, communication, and collaboration skills. Also functions well in self-directed settings

### Related Courses

- Network Security, Cryptography, Networks, Operating Systems, Signals and Embedded Controls, Electric Circuits and Electronics, Data Structures, Algorithms, Multivariable Calculus, Discrete Mathematics, Computer Architecture

### Awards

- Dean's Honor List GPA: 3.85 Fall 2018
- Upsilon Pi Epsilon Honors Coding Society Competition Finalist Fall 2016

## Related Work Experience

**Raytheon | Troy, New York**

Augmented Reality System Research Class

January 2019– Present

- Raytheon sponsored research project to limit human error in manufacturing with the use of augmented reality.
- Utilize Vuforia with Unity to enable augmented reality projects, while building the project for Android devices to promote portability.
- Create a mobile means of inspecting and assembling parts in the manufacturing process.

**Rensselaer Polytechnic Institute | Troy, New York**

Virtual Reality Senior Developer Internship

July 2018 – Present

- Collaborated with Professor of Chemical Engineering, utilizing the game engine "Unity" to simulate water flow experiments for a functioning chemical plant.
- Software Engineer working with Chemical Engineering team to convert chemical and heat equations into game engine visuals.
- Create virtual reality safety simulator for chemical plant and labs.

**Rensselaer Center for Open Source | Troy, New York**

RushMe Android Developer

September 2018 – Present

- Developed a social media app in Android Studio. The app allows students to share information about fraternities and sororities, geo locations of chapter houses, and event calendars. Created secure Open Source application for sharing of data.

**SunshineMD | Troy, New York**

Full Stack Web Developer

January 2018 – May 2018

- Worked with a team of computer scientists and doctors to create a functioning website and backend database which rated doctors based on the success of their research studies. Frontend web development using Angular 5 and Bootstrap 4.
- Azure database using SQL management with custom queries of more than 3 million medical studies and growing.

## Additional Work Experience

**Rensselaer Computer Repair (RCR) | Troy, New York**

- Assist with on-campus computer service and repair

September 2018 – Present

**Breakaway Communications | New York, New York**

Tech Public Relations Company Summer Internship

May 2015 – July 2015

## Leadership and Honors

### Clubs and Organizations

- Rensselaer Computer Security Club – RPISEC | Troy, New York
- Alpha Chapter of Theta Xi Fraternity | Troy, New York

### Leadership Experience

- Event Chairman for the Alpha Chapter of Theta Xi | Troy, New York Fall 2017 – Spring 2018
  - Managed an \$8000 budget for social gatherings and school wide events. Event DJ
- House Manager for the Alpha Chapter of Theta Xi | Troy, New York Fall 2016 – Spring 2017
  - Organized events with school faculty and alumnus. Managed budget for house utilities.
- Captain of Swim and Dive Team at Horace Greeley High School | Chappaqua, New York Fall 2014 – Spring 2015
  - Led, motivated, and encouraged team enthusiasm in everyday practice, as well as drive to win