

SHAYNE F. PRESTON

prests@rpi.edu

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

2172 14th Street, Troy, NY 12180

914-708-9821

Education

Rensselaer Polytechnic Institute

Troy, New York

Bachelor of Science in Computer and Systems Engineering

Class of 2019

Related Skills

GPA – 3.0

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

Related Courses

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

Awards

- Dean's Honor List GPA – 3.85

Fall 2018

Related Work Experience

Rensselaer Polytechnic Institute

Troy, New York

Virtual Reality Senior Developer Internship

July 2018 – Present

- Collaborated with a Professor of Chemical Engineering to simulate water flow experiments in the gaming engine "unity," to be repurposed to represent a functioning chemical plant.
- Coordinated designs with eight Chemical Engineering students to take related chemical equations and heat equations, and translate them into visuals within the game engine.

Rensselaer Center for Open Source

Troy, New York

RushMe Android Developer

September 2018 – Present

- Developed an android app in Android Studio with a member of the RushMe team. The app allows students to share information about fraternities and sororities, geo locations of chapter houses, and event calendars. Students can also "like" fraternities or events during rush.

SunshineMD

Troy, New York

Web Interface and Server Developer

January 2018 – May 2018

- Worked with a team of computer scientists and doctors in creating a functioning website with a backend database which rated doctors in areas based on research studies that the doctors performed.
- Front end web development using Bootstrap 4 and Angular 5.
- Worked with an 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 PR Summer Internship

May 2015 – July 2015

- Assisted in managing accounts: QNX embedded software, GreenTouch, TV of Tomorrow in San Francisco.
- Participated in call in sessions with QNX clients and their respected client team.

Chappaqua Swim and Tennis Club

Chappaqua, New York

Summer Head of Maintenance

May 2012 – September 2017

- Responsible for keeping swimming pool and tennis courts areas visually appealing, clean, repaired, safe and enjoyable, as well as directing and coordinating other staff members

Leadership and Honors

Awards

- Upsilon Pi Epsilon Honors Coding Society Competition Finalist – Fall 2016

Troy, New York

Clubs and Organizations

- Rensselaer Computer Security Club - RPISEC
- Rensselaer Motorsport Formula SAE Team
- Alpha Chapter of Theta Xi Fraternity

Troy, New York

Troy, New York

Troy, New York

Leadership Experience

- Event Chairman for the Alpha Chapter of Theta Xi 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 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 Fall 2014 – Spring 2015
 - Led, motivated, and encouraged team enthusiasm in everyday practice, as well as drive to win
 - Organized and managed the annual community service fundraiser for needed wish list items for the SPCA of Westchester, NY.

Troy, New York

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Chappaqua, New York