

SHAYNE F. PRESTON

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

Education

Rensselaer Polytechnic Institute

Bachelor of Science in Computer and Systems Engineering

Related Skills

- Exceptional skill and knowledge of Azure, AWS, Java, JavaScript, Node.js, Express, Postgres, Typescript, Angular 5, Bootstrap 4, Python, HTML, CSS, C++, C#, React-Native, Visual Studios 2017, Git, Unity, Microsoft Office and Windows
- 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

Related Work Experience

Rensselaer Polytechnic Institute

Virtual Reality Senior Developer Internship

- 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

RushMe Android Developer

- 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

Web Interface and Server Developer

- 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)

- Assist with on-campus computer service and repair

Breakaway Communications

Tech PR Summer Internship

- Assisted in managing accounts: QNX embedded software, GreenTouch, TV of Tomorrow in San Francisco.
- Researched breaking news on QNX and its competitors, created reports to improve client's exposure.
- Participated in call in sessions with QNX clients and their respected client team.

Chappaqua Swim and Tennis Club

Summer Head of Maintenance

- 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

Clubs and Organizations

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

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.

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Troy, New York

Class of 2019

Troy, New York

July 2018 – Present

Troy, New York

September 2018 – Present

Troy, New York

January 2018 – May 2018

Troy, New York

September 2018 – Present

New York, New York

May 2015 – July 2015

Chappaqua, New York

May 2012 – September 2017

Troy, New York

Troy, New York

Troy, New York

Troy, New York

Troy, New York

Troy, New York

Chappaqua, New York