SHAYNE F. PRESTON

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Education

Rensselaer Polytechnic Institute   **Troy, New York**
Bachelor of Science in Computer and Systems Engineering   **GPA: 3.00**   **Class of 2019**

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#, 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. 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

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**
Web Interface and Server 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
- Assisted in managing accounts: QNX embedded software, GreenTouch, TV of Tomorrow in San Francisco.

Chappaqua Swim and Tennis Club   **Chappaqua, New York**
Summer Head of Maintenance   May 2012 – September 2017
- Responsible for directing and coordinating staff members to ensure the upkeep and prosperity of a private swim and tennis club

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 Fall 2017 – Spring 2018   Troy, New York
  - 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   Troy, New York
  - 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   Chappaqua, New York
  - Led, motivated, and encouraged team enthusiasm in everyday practice, as well as drive to win