

# Jonathan Shreckengost

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<https://github.com/JonathanShrek>

## Education

- **Southern New Hampshire University** Manchester, NH  
*B.S. Computer Science (Current GPA: 3.92)* Dec. 2017 - Current (Senior)
  - Relevant courses: Computer Platform Technologies, Computer Science Role in Industry, Introduction to Linux Operating System, Object Orient Analysis and Design, Introduction to SQL, Foundation in Application Development
- **Wharton County Jr. College** Wharton, TX  
*A.A.S. Physical Therapy Assistant (GPA: 3.20)* 2012-2016
- **Wharton County Jr. College** Wharton, TX  
*A.L.A. General Studies (GPA: 3.20)* 2012-2016

## Work Experience

- **G.S. Precision** Brattleboro, VT  
*Software Developer* Dec. 2019 - Current
  - Meet with team members of different departments to discuss and analyze how technology can be used to increase productivity and efficiency.
  - Develop scalable applications for business needs and replace legacy applications.
  - Maintain effective communication, documentation, and a positive attitude interacting with my team, fellow employees, and customers.
  - Monitor, maintain, and develop databases for applications and the business ERP system.
- **Genesis Rehab Services** Keene, NH  
*Physical Therapist Assistant* Nov. 2016 - Current
  - Provide physical therapy services in a skilled nursing facility for handicap and elderly patients and residents.
  - Work in a small team environment while maintaining effective communication to best care for the safety and outcomes of the patients and residents.
  - Maintain documentation, both physical and digital, to ensure patient and resident safety.
- **Brookshire Brothers** Ganado, TX  
*Cashier/Produce Stocker* Aug 2013 - Jun. 2016
  - Assisted customers and managed money in a professional environment.
  - Worked in a small team environment to ensure customer satisfaction.
- **Burley Auction Gallery** New Braunfels, TX  
*Auction Floor Associate* Nov. 2012 - Jul. 2013
  - Assisted customers on the auction floor to view and handle items.
  - Assisted in the movement and transportation of items being put up for auction.
  - Used Photoshop to prepare images for the auction house newsletter, advertisements and website.
  - Worked in a small team environment to effectively ensure product was advertised, tagged, moved, and staged by a set deadline.

## School Projects

- **User Login Program** Manchester, NH  
*Foundation in Application Development, IT-145* *Aug. 2018 - Oct. 2018*
  - Used the JAVA programming language to create a login program for users to access data specific to their account.
  - Utilized proper hashing and salting of user passwords for privacy and security.
  - Utilized current object oriented programming concepts for ease of possible future scaling.
- **Other Projects**  
*Home* *2018-Current*
  - Designing and debugging a webscraper in the python language to pull titles, links and other information of tech related articles from a given website. Added features to import this information into .csv files for future referencing.
  - Created a CLI user login program utilizing the python programming language that hashes and salts passwords utilizing the argon2 algorithm. Added features to store usernames and hashed passwords in a SQL database for quick lookup and referencing for possible future features.
  - Designing and debugging a small program in the python language to visualize how efficient a binary search is in comparison to a linear search on large arrays of sorted data.
  - Designing and debugging a program in the python language to track files in specific directories and update SQL tables with the information of these files.

## Skills

**Languages:** Python, VB.net, TSQL, Java, C++, L<sup>A</sup>T<sub>E</sub>X, Bash

**Operating Systems:** Linux (Arch, Ubuntu), Windows 10, UNIX, MacOS X

**Applications:** Visual Studio, SQL Server, Git, Mysql/Mariadb, VirtualBox, Vi/Vim, LibreOffice, L<sup>A</sup>T<sub>E</sub>X, NetBeans, OpenSSH

**Miscellaneous:** Software configuration management, strong verbal and written communication skills, excellent troubleshooting and debugging skills, exceptional problem solving skills, good teams skills

## Interests

**Academic:** Machine learning, artificial intelligence, robotics, networking, cryptology, app development

**Sports:** Running, cycling, football, baseball and hockey

**Computers:** Enjoy using and learning Linux systems, building software projects at home, writing Python software and learning new programming languages

**Musical:** Playing guitar and piano

**Membership:** Student member of ACM since 2018

**Other:** Traveling and spending time with my wife and our dog