

# GREGORY JEFFREY WILLS

3109 Argent Path  
Ellicott City, MD 21042

(443)883-5856 • [gjw13@georgetown.edu](mailto:gjw13@georgetown.edu)

GitHub: <https://github.com/gjw13> • LinkedIn: <https://www.linkedin.com/in/gregoryjwills/>

## EDUCATION

**Georgetown University**, Georgetown College, Washington, DC

Bachelor of Science, Expected May 2019

Major: Computer Science, Major GPA: 3.56/4.0, Cumulative GPA: 3.44/4.0, Dean's List (3 Semesters)

Minor: Business Administration

## WORK EXPERIENCE

**Tenable Network Security**, Columbia, MD

*Software Engineering Intern*, June – August 2018

- Investigated and improved python automated testing framework by examining adequacy of command line interface, API, and endpoint tests and writing fixture to facilitate speed of nightly runs
- Implemented debug script for both Windows batch file and Linux shell script on the team's project
- Developed a debug report application using Flask and Jinja2 to facilitate relations between support engineers and clients

## RELEVANT PROJECTS

**Chatter** (<https://github.com/gjw13/ChatRoomP2>)

*Programmer*, Spring 2016

- Created a chatroom Java application that receives TCP connections from one or more clients and relays messages to existing clients
- Utilized threads and sockets to facilitate timing of messages in chatroom

**Food Diary** (<https://github.com/gjw13/FoodDiary>)

*Group Participant*, March 2017

- Devised a double MapReduce scheme using Hadoop that parsed input files of feelings and foods
- Calculated the top 5 foods with highest incidence rate for each feeling

**Pseudo Shell** (<https://github.com/gjw13/PseudoShell>)

*Programmer*, March 2018

- Worked with C language to design a simple shell that replicates some of the basic features of a traditional shell
- Implemented the ability for piping to allow sequences of processes to communicate using commands such as fork and execv

## APPLICABLE COURSES AND SKILLS

- Languages: C++, Java, Python
- Systems: Unix, Hadoop, Android, Mac OS
- Tools: Git, Xcode, Eclipse, Sublime Text
- Relevant Coursework: Computer Science I and II, Discrete Mathematics, Data Structures, Hardware Fundamentals, Computer Systems, Advanced Programming, Programming Languages, and Algorithms

## EXTRACURRICULAR ACTIVITIES

**Entrepreneurship Fellows Program - Georgetown's McDonough School of Business**, Washington, DC

*Student*, January 2017 - Present

- Develop an entrepreneurial mindset through guest speakers, thinking experiments, and reflective exercises
- Author of Plugged In: How AI Will Enhance an Evolving Sports World*, April 2018
- Demonstrate expertise in a chosen field through the process of writing and publishing a book
  - Published findings from interviews with experts in fields of Artificial Intelligence and experienced individuals in professional sports and researched applications of Artificial Intelligence in the professional sports arena

**Habitat for Humanity**, Washington, DC

*President*, April 2017 - Present

- Lead executive board of peers, organize meetings, and institute partnership with DC Habitat Young Professionals
- Institute volunteering opportunity at the Habitat Re-Store for interested members

*Co-Chair for Campus Outreach*, September 2016 - April 2017

- Cultivated a stronger presence on campus through tabling, fundraising, and communication with other campus organizations