

Stephen J Wilson

Summary

PhD Candidate at Baylor College of Medicine. Passionate about data-driven discovery, machine learning, and network analysis. Currently researching the rational design of algorithms to predict biomedically-relevant hypotheses, such as a gene's involvement in disease. Hard-working, thorough, motivated.

Selected Professional Experience

PhD Candidate, Baylor College of Medicine (BCM), Houston, TX **2013-Present**

- Developed a system that extracted 24 million gene-drug-disease associations from 21 million publications, more than any other database, and predicted novel hypotheses with more than 90% precision.
- Published 3 first-author papers, attended 12 conferences, and delivered 3 conference talks.
- Obtained National Library of Medicine Fellowship for 3 years of continuous support.
- Conceptualized and developed 5+ highly collaborative projects.
- Teaching Assistant and volunteer in student organizations and department committees.

NLM Career Development Leader, Gulf Coast Consortium, Houston, TX **2016-2017**

- Organized and recruited guest lectures on career development from academia, tech transfer, small business, and industry.
- Gained a network of contacts across fields to obtain qualified speakers.

Biochemistry Department Student Representative, BCM, Houston, TX **2016-2017**

- Organized, planned and executed the Biochemistry Departments Student Recruitment, sorting through 76 applications and 16 interviews to recruit 9 new students.
- Coordinated closely with 2 departments and many individuals to plan and run a yearly scientific conference for >140 students, postdocs, and faculty.
- Member of the Department's Graduate Education Committee to decide academic policies

Education

Baylor College of Medicine, Houston TX, 2013-Present

- PhD Biochemistry and Molecular Biology, GPA 3.8/4.0
- *GRE Verbal: 170 (92%) | Quantitative: 162 (82%) | Writing: 4.5 (82%)*

Colorado College, Colorado Springs, CO 2008-2012

- Cum Laude B.A. Biochemistry, Dean's List, GPA 3.88/4.0, Major GPA: 3.9/4.0
- *ACT composite: 30/36 (97%)*

Selected Leadership Experience and Achievements

Keck Fellow , Gulf Coast Consortia, Houston, TX	2014-2017
Best Poster Award , NLM Trainee Conference, San Diego, CA	2017
Travel Fellowship and Speaker , Pacific Symposium on Biocomputing, HI	2017
Travel Fellowship and Poster Presenter , CAGI, San Francisco, CA	2016
Teaching Assistant: Application to Biology of Computation , BCM, Houston, TX	2015, 2016
Mentor for Undergraduate Summer Student , BCM, Houston, TX	2014, 2016
Awards and Scholarships at Colorado College	2008-2012
• Dean's List, Cum Laude, NIST SURF fellow (2011, 2012), Quantitative Reasoning Tutor	

Hobbies and Interests

Climbing (former AMGA Certified SPI), Freestyle Kayaking, Acrylic Painting, Stock Trading