

## Shoujun Gu, Ph.D

Rockville, Maryland

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Website: <https://shoujungu.github.io/introduction/>  
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### Expertise

- Data Mining and Analysis Tools
- Biological and Genomic Data Analysis
- Data Munging and Visualization Tools
- Prediction Model Building

### Technical Skills

Python, MySQL, Excel/VBA, Javascript, Bootstrap, HTML, Tableau, NGS Working Flow

### Related Projects

- The Cancer Genome Atlas (TCGA) data mining and analysis project (role: team member )  
The manuscript of this project entitled 'A Pan-Cancer Atlas of Genomic, Epigenomic and Transcriptomic Alterations in the TGF- $\beta$  Pathway', is under reviewing
- Build model to predict impact factor range based on the abstract of a research manuscript (role: all)  
Details available at: [https://github.com/shoujungu/IF\\_Predict](https://github.com/shoujungu/IF_Predict)
- Data mining and analysis on all healthcare publications (Year: 2017) in PubMed database (role: all)  
Details available at: [https://github.com/shoujungu/2017\\_Pubmed\\_Analysis](https://github.com/shoujungu/2017_Pubmed_Analysis)

### Education

**The George Washington University, Washington, DC**

Oct 2017 – Apr 2018

*Data Analytics Boot Camp*

An intensive 24-week long boot camp dedicated to Data Mining and Analytics Skills on a variety of real-world problems.

**UT Health Science Center at San Antonio**

Aug 2005 – May 2012

*Ph.D. Department of Biochemistry*

Achievements:

- Oral presentation in American Society for Bone and Mineral Research 2008 Annual Meeting
- First Author publication on *The Journal of Biological Chemistry*\*

### Working Experience

**The George Washington University, Washington, DC**

Oct 2015 -

*Postdoctoral Researcher*

Data mining on various biological databases and next-generation sequencing data analysis.

Achievements:

- Multiple publications on various peer-review journals\*

**The National Institutes of Health, Bethesda, MD**

Oct 2012 – Sept 2015

*Visiting Fellow*

Molecular and cellular biology research on the regulation of planar cell polarity.

### Of Note

\* **Publications:** <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3375531/>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4839765/>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4960540/>  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5724803/>