

Yan Gu

Ph.D. Candidate | Looking for Software Development Engineer Intern Opportunities

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Summary of Qualifications

- Coding :** **1+ years'** experience in Java, **2+ years'** in Python, HTML, CSS and MySQL, **3+ years'** in R
- Project :** Applied **computer science methods** in social science research; developed technical tools to collect large-scale data from various platforms; papers accepted by top conferences
- Achievement :** **Strong academic record** demonstrated by publications and competitive fellowships
- Skill Set :** <Language> **Java, Python, R;** <Web> **HTML, CSS, Scrapy, Spring Boot;** <Database> **MySQL;** <IDE> **Eclipse, Sublime;** <Visualization> **Gephi, matplotlib, networkx, Gensim, pyLDAvis**

Projects

Current August, 2017	Smart Mini-SurveyMonkey <ul style="list-style-type: none">> Scraped profiles of 3.8 million connected social-media users; Developed a smart notification system that sends online survey to users; Presented paper entitled "Outcomes of Reverse Censorship" at the 2018 American Political Science Association Annual Meeting. <p>Python Web Scraping Network Analysis Gephi R</p>
Current September 2018	Online Book Co-purchase Project <ul style="list-style-type: none">> Designing and implementing an SDK gathering data from E-commerce platforms, e.g. dangdang.com, Amazon.cn, etc., by web scrawler; Performing data analysis and generating dashboard. <p>Python Scrapy Data Mining matplotlib networkx</p>
July 2018 June 2018	Two projects : Mini-Google & Symbolic Algebra Calculator <ul style="list-style-type: none">> <Google> Designed and implemented RESTful APIs in Java; Implemented searching algorithms : TF-IDF and PageRank.> <Calculator> Developed a console program performing symbolic Algebra. <p>Java RESTful APIs Abstract Syntax Tree</p>
August 2018 July 2018	Generating and Solving Mazes <ul style="list-style-type: none">> Implemented Disjoint Set; Minimum Spanning Tree by Kruskal; Shortest Path by Dijkstra's. <p>Java Algorithms</p>
April 2017 December 2016	Donald Trump on Chinese Social Media <ul style="list-style-type: none">> Scraped and analyzed 22,303 posts from Baidu Post Bar of Donald Trump; Published Op-ed entitled "Why Do Chinese Netizens Love Donald Trump?" on <i>the Diplomat</i>. [Link] <p>Python HTML Natural Language Processing Gensim pyLDAvis</p>

Related Coursework

- > [1] —Data Structure and Algorithms. Paul Allen School of Computer Science and Engineering, UW.
- > [2] —Computer Programming I & Computer Programming II. Paul Allen School of Computer Science and Engineering, UW.
- > [3] —Bootcamp in *Artificial Society and Computational Social Science*. Sun Yat-sen University, China.
- > [4] —Statistical Methods in Engineering and Science. Department of Statistics, UW.
- > [5] —Design and Analysis of Experiments. Department of Statistics, UW.

Education

- > **Ph.D., International Studies, University of Washington** (expected 2020.6)
Inter-disciplinary Program that offers doctoral-level training incorporating advanced scientific methods and Area Studies
- > **M.A., Sociology, Peking University**, China
- > **B.A., Social Work, Yangzhou University**, China

+ Honors & Awards

- > **Dissertation Fellowship (\$18,000)**
Chiang Ching-kuo Foundation for International Scholarly Exchange [Link], Taiwan
- > **Top Scholar Fellowship (\$15,000)**
China Studies Program, University of Washington
- > **China Studies Fellowship(\$4,500)**
China Studies Program, University of Washington