PENG WEI

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Education Aug. 2018- Present	**UNIVERSITY OF CHICAGO** **Major: Computational Analysis & Public Policy** **Master in Science**, Expected June 2020 Related courses: Computer Science with Applications, Database for Public Policy, Machine Learning for Public Policy, Advanced Statistics, Microeconomics	Chicago, USA
Apr. 2017- Dec. 2017	**DE ANZA COLLEGE** **Major: Computer Information Science; GPA: 4.0/4.0; Dean's List** Related courses: Discrete Math, Intermediate C++ Programming, Python Programming, Data Structures and Algorithms, Object-Oriented Analysis and Design	Cupertino, USA
Sept. 2005- Jun. 2009	**NATIONAL UNIVERSITY OF DEFENSE TECHNOLOGY** **Major: Electronic Engineering; GPA: 85.1/100; Rank: 10/120** **Bachelor of Engineering**, June 2009 Award: **Excellent Cadet** (top 5% based on comprehensive performance)	Changsha, China

Skills SQL, R, STATA, C/C++, Python; Speech writing; Event, logistics and operation planning

Relevant Projects

- *Schelling's Model of Housing Segregation*: used housing data in Chicago area in Python to simulate the process of housing discrimination and its relationship with race. Based on Shelling's model, future outcomes (e.g., degree of race segregation) were predicted, which provided insights for current urban planning and policies in Chicago.
- *Optimizing Number of Polling Places:* data from Cook County's clerk's office was used in Python to simulate the flow of voters through precincts by applying the Erlang-C model. Locations of the polling places and the number of voting booths needed at a precinct were optimized.

Experience Jan. 2015- Nov. 2016	**BEIJING MILITARY REGION** **SECRETARIAT OF POLITICAL DEPARTMENT** **Secretary, Captain**	Beijing, China

- Led a team of 3 on event planning for the 2015 Victory Day parade, which included accommodation and security planning for 300 high-rank officials in the Beijing Military Region.
- Proposed to legalize the use of smart phones in military camps, which was successfully implemented by the Central Military Commission in June 2015.
- Supervised performance of 11 subordinate departments, and provided feedbacks to the generals.
- Organized General Office conferences and Party Committee conferences.

Mar. 2014- Jan. 2015	**BEIJING MILITARY REGION** **POLICY RESEARCH OFFICE OF POLITICAL DEPARTMENT** **Research Associate, Captain**	Beijing, China

- Drafted internal documentations for the 2014 People's Liberation Army Political Work Conference (referred as Gutian Conference in the media), which served as a historical landmark for the spirit of 2015 military reform and rectification; proposed approaches to solve major political issues on recruitment and factions.
- Designed Party Committee's 2015 annual political work blueprint, covering time allocation and project prioritization among 11 subordinate departments, 5 provincial Military Commands and 3 Group Armies.
- Wrote speeches for senior officers, department directors and generals for high-level conferences and events.

Jul. 2010- Mar. 2014	**ARTILLERY BRIGADE UNDER THE PLA'S 27TH GROUP ARMY** **Officer, Captain** **Deputy Company Commander, Lieutenant** **Platoon leader, Lieutenant**	Datong, China

- Proposed to quantify performance among soldiers and units; introduced a measuring system which became an important basis for officers' evaluation and promotion in military grassroots.
- Assisted the Chief of Staff in planning and carrying out a military drill that involved 2,300 personnel, 400 equipment and 80 cannons.

Volunteer Mar. 2018- Jul. 2018	**LIFELONG, CHICKEN SOUP BRIGADE**	Seattle, USA

- Organized donated food; distributed meals and groceries to clients with or at risk of HIV and/or other chronic conditions.