

# JOSHUA GARY MAUSOLF

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## PROFESSIONAL EXPERIENCE

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- 2020 - PRESENT      FACEBOOK | META, Menlo Park, CA and Seattle, WA  
*Quantitative UX Researcher*, July 2020 to Present
- ◇ Generated insights using **PrestoSQL** & **Python** ETL pipelines, leading to cross-org product impact.
  - ◇ Led stratified, randomized surveys/log data analysis using **SQL** & **R**, including post-stratification weighting, visualization, and ML/statistical modeling to influence product roadmaps across pillars/XFN teams.
  - ◇ IC lead on org-level strategic initiative, quant IC lead for research org project, regularly supported quant UX insights for 8 XFN teams, and mentored other UXR in the use of **SQL**, **R**, and **Python**.
- 2018 AND 2019      *UX Research Intern*, Summer 2018 and Summer 2019
- ◇ Developed ETL pipelines using **Python** and **PrestoSQL** to query Facebook log and survey data.
  - ◇ Developed and executed both UX interviews and surveys to leverage insights for product stakeholders.
  - ◇ Produced statistical models in **R** and **Stata**, delivering actionable, competitive insights to my team.
- JAN-MAR 2018      RUTGERS UNIVERSITY, Newark, NJ  
*Data Analyst and Programmer*, School of Criminal Justice
- ◇ Wrote **Python** and **R** code to download, clean, merge, and compare crowd-source and government data.
- 2015-2017      UNIVERSITY OF CHICAGO, Chicago, IL  
*Graduate Research Assistant*, Department of Sociology
- ◇ Assisted developing an **R** application applying a new algorithm. Supervised junior research assistants.
  - ◇ Applied machine learning, multivariate regression, and data wrangling in **Python**, **R**, and **Stata**.
- Junior Data Scientist*, Knowledge Lab, Computation Institute
- ◇ Analyzed and visualized hypergraph network data using **Python**, **Gephi**, and **JavaScript**.
- JUN-SEP 2016      DATA SCIENCE FOR THE SOCIAL GOOD, Chicago, IL  
*Data Science Fellow*, White House Police Data Initiative
- ◇ Developed a machine learning pipeline with **Python** and **PostgreSQL**. Improved client's existing protocol, increasing results by 60% while using 33% of the resources.

## SKILLS

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- COMPUTING      ◇ PYTHON, R, PRESTOSQL, POSTGRESQL, MYSQL, SQLITE, HIVE, STATA, SPSS  
◇ HTML, CSS, JAVASCRIPT, MARKDOWN, JSON, FLASK, SHINY  
◇ VIM, ATOM, SUBLIME, VSCODE, L<sup>A</sup>T<sub>E</sub>X, GIT, SSH, SHELL, LINUX, MAC OSX, WINDOWS
- ANALYSIS      ◇ Machine Learning; Time Series, Longitudinal, Hierarchical, Non-linear, and Linear Models; NLP; Web-Scraping; APIs; Networks; Experiments; Surveys; Questionnaire Design; ETL/data pipelines

## EDUCATION

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- 2014- 2020      PH.D.      UNIVERSITY OF CHICAGO, Sociology
- ◇ THESIS: *Enter the Partisan Firm: How Affective Polarization Shapes Corporations and Careers*
  - ◇ METHODS: Databases, ETL, Statistical and Machine Learning, NLP, HCA, Networks, Experiments
- 2014 - 2016      A.M.      UNIVERSITY OF CHICAGO, Sociology, Cumulative GPA: 3.87/Statistics GPA: 3.95
- 2010 - 2012      B.A.      NEW YORK UNIVERSITY, Sociology with High Honors, *summa cum laude*, GPA 3.90

## LEADERSHIP, AWARDS, AND HONORS

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- 2010-2020      UNIVERSITY OF CHICAGO & NEW YORK UNIVERSITY
- ◇ Marshall Field Fellow 2015-2016, 2016-2017, & 2017-2018, Civic Hackathon Facilitator, American Journal of Sociology Manuscript Board, Senior Preceptor - Masters in Computational Social Science
  - ◇ Graduation honors: *summa cum laude*, nomination for *Phi Beta Kappa* – Albert Borgman Prize, Broome Residential Leader, Founders Day Award, Dean's List, Presidential Scholar

## ADDITIONAL INFORMATION

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- LANGUAGES      ENGLISH (native), FRENCH (proficient), SPANISH (elementary)
- OFFICE      OFFICE: Microsoft and Google Office Applications; ADOBE: Acrobat Pro, Photoshop, Lightroom;  
PROJECT MANAGEMENT: SAP, CRM, Trello, Slack, Quip; OTHER: Tableau, Gephi, Atlas.ti