Joshua Kravitz // joshuakravitz.me

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Education

Stanford University — Stanford, CA
- *B.S. in Computer Science (Systems); GPA: 3.968* — *Sept. 2014 - June 2018*
  Expected M.S. in Statistics (Causal Inference); GPA: 3.913 — *Expected Graduation: March 2020*

Work Experience

Baiocchi Lab — Stanford, CA
Research Assistant — *March 2019 - Present*
- Developing method with Mike Baiocchi to estimate causal effects of behavioral interventions using free text (R).

Bluebonnet Data — Remote
Team Lead, Kelly Stone for Texas Railroad Commission — *November 2019 - March 2020*
- Supervised 3 other data scientists and communicate progress and set priorities with the candidate. Work includes building call lists with VAN and crafting data-centric narratives around fracking and the environment.

Camp Kesem at Stanford — Stanford, CA
Counselor Coordinator (CoCo) — *July 2017 - July 2018*
Student Director (Co-Chair) — *July 2018 - July 2019*
- CoCo: Supported 64 volunteers through community bonding, counselor selection, and training. Built software package to streamline new, anonymized counselor hiring (see https://github.com/jlkravitz/kesem-selection).
- Co-Chair: Managed leadership team of nine, with focus on marketing, family relations, and camp programming.

Stanford University — Stanford, CA
Teaching Assistant, CS103 — *Sept. 2018 - June 2019*
- Selected among 14 course staff as Head TA for CS103, Mathematical Foundations of Computing. Held 4 office hours each week, handled exceptional student issues, and served as liaison between course lecturer and staff.

Sinha Lab — Stanford, CA
Research Assistant — *March 2018 - June 2018*
- Analyzed thematic content of IBD patient forum (LDA model) to better understand patient anxieties (Python, R).

Hammer Lab — New York City, NY
Research Assistant — *July - Sept. 2017*
- Investigated why tumors with low PD-L1 levels responded to anti-PDL1 immunotherapies in RCT data (R).

Asana — San Francisco, CA
Software Engineer, Stability Intern — *June - Sept. 2016*
- Developed new distributed configuration framework more resistant to failure and user-friendly (Scala).

Stanford Computer Vision Lab — Stanford, CA
Research Assistant — *June - Aug. 2015*
- Ran baseline attribute and relationship classification experiments on Visual Genome dataset (Python, Caffe).

CodeHS — San Francisco, CA
Software Engineer, Intern — *June - Aug., 2013 and 2014*
- Built general autograder and CMS for editing content (AngularJS); set up testing infrastructure (Python).

Additional Experience

- **Data Challenge Lab**: A 5-unit, daily, intensive course on data wrangling, visualization and interpretation. I took this course in Winter 2019, and I now have extensive experience in R, the tidyverse, and RStudio.
- **Relevant Coursework**: Data Challenge Lab, Causal Inference (2 courses), Regression & ANOVA, Databases, Analysis, Machine Learning, Convex Optimization, Probabilistic Graphical Models, Computer Security, Operating Systems
- **Programming Languages (Experienced and Proficient)**: Python, R, JavaScript, SQL, C, C++, Scala, Haskell

Interests

- **Volunteer**: Camp Kesem at Stanford (Counselor/Leader; Mar. 2016 - Present)
- **Theater**: Flying Treehouse (Musician/Performer; 2016 - 2018), Stanford Improvisors (Musical Improvisor; 2017 - 2018)
- **Music**: Jazz Pianist, Jazz Combo (Sept. 2014 - Mar. 2017)