Work Experience

Jon Ossoff for U.S. Senate

Atlanta, GA

Deputy Data Director

Dec. 2020 - Jan. 2021

- With relevant stakeholders, developed metrics to track performance of volunteer and Community Mobilizer (CM) relational programs: built network of >160k voters, including many first-time and low-propensity voters.
- Built dashboard to support management of 3000 CMs by 40 full-time campaign staff, who could then evaluate CMs' performance and identify key voter networks (SQL, Google Data Studio). Public demo available here.
- Mobilized 4-person engineering and design team to build OutReach a phone bank for personal networks in less than a week, facilitating contact with >17k voters in the final two days of the campaign. Open-source code here.
- Wrote analytical whitepaper on the program (soon on Analyst Institute): found that program improved turnout by an estimated **3.8 percentage points** and was particularly effective on young and low-turnout voters.

Sri for Congress (TX-22), DigiDems

Houston, TX

Data Director

June 2020 - Nov. 2020

- Pulled voter contact lists in 20+ languages (SQL) and managed tech platforms (Reach, OutVote, ThruTalk).
- Built Early Vote dashboard, which allowed tracking of vote share among target demographics (SQL).
- Supervised 5+ technical volunteers working on special projects and data analyses for our field program.
- $\circ \ \ \text{Developed Call Time list-tracking tool, allowing Finance Dept to track the success of their donor prospect lists.}$
- Secured over 20 campaign staff on password managers and security keys.

Camp Kesem at Stanford

Stanford, CA

Student Director

July 2018 - July 2019

- Managed leadership team of nine and cultivated a volunteer body of over 60 students.
- o Oversaw execution of annual gala, Make the Magic: raised >\$28k in one night, exceeding our \$25k goal.
- Anonymized counselor selection process to promote inclusion and reduce bias: Developed Python software package (now standard at Camp Kesem) to convert Wufoo form entries to anonymized PDFs.
- Personally secured >\$1000 in in-kind donations, including two-way radios for communication during camp.

Asana

San Francisco, CA

Software Engineer, Stability Intern

June - Sept. 2016

- \circ Migrated search cluster into Googles Kubernetes framework, making the cluster more stable and scalable.
- Developed distributed configuration framework more resistant to failure and user-friendly (Kubernetes, Scala).

CodeHS

San Francisco, CA

Software Engineer, Intern

June - Aug., 2013 and 2014

- $\circ \ \ Generalized \ autograder, \ allowing \ students \ to \ test \ their \ programs \ against \ curriculum \ developers' \ tests.$
- Built content management system for adding new videos, exercises and quizzes to courses (AngularJS).

TECHNICAL SKILLS

- Relevant Coursework: Causal Inference, Sampling, Regression & ANOVA, Databases, Computer Security, Machine Learning, Convex Optimization, Probabilistic Graphical Models, Real Analysis, Operating Systems
- Programming Languages (Experienced and Proficient): Python, R, HTML/JavaScript, SQL, C, C++

RESEARCH EXPERIENCE

- Baiocchi Lab (Mar 2019 Present): Estimating causal effects of behavioral interventions using free text (R).
- Boaler Lab (Mar Apr 2020): Analyzed and reported teacher/student survey results from summer math program.
- Tamang Lab (Sept Dec 2019): Visualized opioid adverse event rates across the VA Health System.
- Hammer Lab (Jul Sep 2017): Investigated effectiveness of anti-PDL1 immunotherapies on cancerous tumors.
- Sinha Lab (Mar Jun 2018): Co-author of "The Emotional Toll of Inflammatory Bowel Disease: Using Machine Learning to Analyze Online Community Forum Discourse."
- Stanford Computer Vision Lab (Jun Aug 2015): Co-author of "Visual Genome: Connecting Language and Vision Using Crowdsourced Dense Image Annotations" and "Embracing Error to Enable Rapid Crowdsourcing."

EDUCATION

Stanford University

Stanford, CA

• B.S. in Computer Science (Systems); GPA: 3.97 M.S. in Statistics (Causal Inference); GPA: 3.92 Sept. 2014 - June 2018 Jan. 2018 - Mar. 2020