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WORK EXPERIENCE

Senate Committee on Appropriations — Washington, D.C.
Head of Technology and Data — *April 2022 - Present, 40 hrs/wk*
- Utilized machine learning to identify duplicate appropriations requests, saving staff 100s of manual-labor hours.
- Encased 1990s Windows application, used to tabulate $1.7 trillion in annual spending, in modern web app.
- Developed real-time, appropriations request dashboard utilized for decision-making and bill production (PowerBI).
- Panelist, "All Eyes on AI", National Conference of State Legislatures Forecast '24

Subcommittee on Government Operations (TechCongress) — Washington, D.C.
TechCongress Fellow — *June 2021 - April 2022, 40 hrs/wk*
- Advance Subcommittee Chair's priorities in tech modernization, IT procurement, cybersecurity, and open data.
- Developed data visualizations for Chair's opening statements at hearings (e.g. on U.S. Postal Service).
- Conducted oversight on agency implementation of the CASES Act: sent bipartisan letters to five agencies.

Jon Ossoff for U.S. Senate — Atlanta, GA
Deputy Data Director — *Dec. 2020 - Jan. 2021*
- Built dashboard to support management of 3000 voter mobilizers with over >160k voters. Public Demo.
- Mobilized team to build OutReach in less than a week, used to contact >17k voters in last two days of campaign.
- Published program analysis, found that program improved turnout by an estimated **3.8 percentage points**.

Sri for Congress (TX-22), DigiDems — Houston, TX
Data Director — *June 2020 - Nov. 2020*
- Maintained voter data (SQL), managed tech platforms (e.g. Reach), and secured the IT of over 20 campaign staff.
- Built Early Vote dashboard, which allowed tracking of vote share among target demographics (SQL).

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.
- Oversaw execution of annual gala, Make the Magic: raised >$28k in one night, exceeding our $25k goal.
- Anonymized counselor selection process to promote inclusion/reduce bias, developed software to anonymize apps.

Asana — San Francisco, CA
Software Engineer, Stability Intern — *June - Sept. 2016*
- Developed distributed configuration framework to mitigate application downtime (Google Kubernetes, Scala).

CodeHS — San Francisco, CA
Software Engineer, Intern — *June - Aug., 2013 and 2014*
- Built content management system to add videos, exercises and quizzes to computer science courses (AngularJS).

TECHNICAL SKILLS

- **Relevant Coursework**: Causal Inference, Sampling, Machine Learning, Databases, Security, Operating Systems
- **Programming Languages (Experienced and Proficient)**: Python, R, HTML, Typescript, SQL, Rust, C, C++
- **Frameworks, Libraries, Tools**: tRPCs, VueJS, Flask, Docker, OpenShift

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* — *Sept. 2014 - June 2018*
- *M.S. in Statistics (Causal Inference); GPA: 3.92* — *Jan. 2018 - Mar. 2020*