
WORK EXPERIENCE

- **Magic Clay LLC** Remote
Owner, Freelance Technologist *March 2024 - Present (30 hrs/wk)*
 - Backend Engineer, Tatta Bio, building open-source genomic sequence search platform.
 - Tech Lead, Council of State Governments, CompactConnect, system for sharing professional licenses across states.
 - Data Engineer, MovementLabs, developed analytics platform for its relational organizing programs.
- **Senate Committee on Appropriations** Washington, D.C.
Head of Technology and Data *April 2022 - April 2024 (40 hrs/wk), March 2024 - Present (15 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.
 - 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 Chair’s priorities in modernization, IT procurement, cybersecurity, and open data.
 - 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.
- **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*
- **CodeHS** San Francisco, CA
Software Engineer, Intern *June - Aug., 2013 and 2014*

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

SELECT RESEARCH EXPERIENCE

- **Baiocchi Lab (Mar 2019 - Present):** Estimating causal effects of behavioral interventions using free text (R).
- **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*