

Tyler Cain

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Data Analyst Profile

Analytical, highly adaptable data management professional with significant public sector experience. Academic certification in Geographic Information Science (GIS) and Statistics and Certified Associate in Project Management. Proven expertise manipulating data and streamlining operations to provide business solutions. Highly effective project leader with excellent organizational and communication skills. Known for taking on new challenges, finding solutions to drive continuous improvement, and diligently collaborating to unleash the power of data.

Technical Proficiencies

Statistics:	R, R Studio, R Markdown, SAS, Stata, IBM SPSS
Web Development:	JavaScript, jQuery, SQL, MongoDB, React.js, Node.js, Git, Front-End Design, Server Configuration, APIs, Computer Science Theory, Agile Software Development, Release Readiness Testing and Application Deployment
Administration:	Adobe Suite, Google Drive, Google Docs, Microsoft Office Suite, Salesforce® CRM
Geographic Information Systems (GIS):	Python Scripting, SQL, Esri ArcGIS Desktop, Esri ArcGIS Online

Career Experience

Office of the Lieutenant Governor, Salt Lake City, Utah
Executive Assistant to the Lieutenant Governor

September 2018 – Present

Direct communications with constituents, government agencies, and trade associations including taking calls, responding to emails, and interfacing to fulfill requests. Craft key talking points for Lieutenant Governor’s public events, researching facts and relevant issues to provide appropriate context. Prepare internal and external presentations. Schedule and manage logistics, meetings, and appointments.

- Led logistics and planning for 2,000+ events, meetings, and press conferences, bridging communication with gubernatorial campaign team and maintaining budget compliance.
- Implemented Salesforce CRM platform to track scheduling requests and perform data analytics.

Utah Data Research Center, Salt Lake City, Utah
Data Analysis Intern

May 2019 – August 2019

Collaborated with team of labor researchers to integrate complex classes and large data sets to analyze data to derive and communicate key findings on graduate research trends. Ensured data integrity and usability. Utilized broad set of tools to query, analyze, and summarize information and then develop comprehensive reports. Garnered experience using multiple statistical and machine learning modeling techniques, including generalized linear models, tree-based classification, artificial neural networks, and inferential statistics.

- Contributed to creation and publishing of [peer-reviewed report](#) to assess workforce retention in Utah.
- Created a publicly accessible [web dashboard](#) as part of team analyzing in-state vs. out-of-state post-graduation employment for the Utah System of Technical Colleges. Study concluded work history prior to graduation, as well as age, and gender had the most significant impacts on workforce retention.

Conducted reporting and general support to facilitate efficient operation of CRM platform for Office of Governor Gary R. Herbert. Strengthened policy initiatives by compiling and integrating senior staff feedback. Tested CRM product quality and evaluated scalability. Digitally monitored and tracked constituent public opinion to drive summary reports. Led selection and training of incoming interns and supervised day-to-day responsibilities.

- Successfully designed and implemented Salesforce CRM analytics platform by integrating data from diverse sources to transform daily operations and improve efficiency of public interactions.
- Mitigated and resolved 10,000+ constituent cases, maintaining confidentiality.
- Composed software training tutorials and drafted functional workflows to train staff.

Supported select projects as part of team of interns. Developed online strategic planning system by working in collaboration with cross-functional teams. Created department-wide strategic planning database to track active projects and reduce redundant work and improve collaboration. Conducted qualitative analyses to determine efficacy of HHS emergency preparedness and emergency response policies.

- Authored analysis of department strategic plan for HHS US emergency preparedness and response procedures to identify key patterns and areas for improvement.
- Launched webinar to examine Federal Advisory Councils and the effect on policy development for internal associates.

Education

Full Stack Web Development Bootcamp, *Cumulative GPA: 4.0*
University of Utah, Salt Lake City, Utah, 2020

Master's Certificate, Statistics, *Cumulative GPA: 3.87*
University of Utah, Salt Lake City, Utah, 2020

Master's Certificate, Geographic Information Science (GIS), *Cumulative GPA: 4.0*
University of Utah, Salt Lake City, Utah, 2019

Bachelor of Science, Health, Society, and Policy, *Cumulative GPA: 3.97, Magna Cum Laude*
University of Utah, Salt Lake City, Utah, 2016

Bachelor of Science, Urban Planning Honors, *Cumulative GPA: 4.0; Summa Cum Laude*
University of Utah, Salt Lake City, Utah, 2016

Professional Certifications

Certified Associate in Project Management (CAPM) – Project Management Institute – 2019