

# TOM SHARP

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## PROFILE

Tom is an experienced Data Scientist with a demonstrated history of building results-driven analytics products. He has led and contributed to the success of multiple projects for numerous clients. Tom is looking to transition into Tech where he can gain experience in a new domain and continue to grow his analytics skill set.

## EDUCATION

**Master of Science, Analytics** 01/2019 – present  
Georgia Institute of Technology

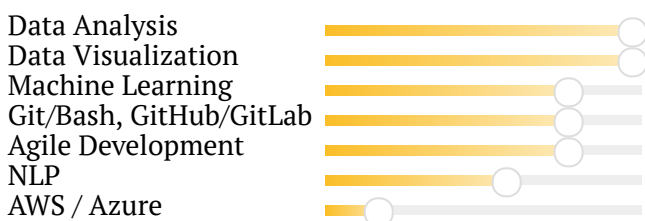
**Honors Bachelor of Chemical Engineering** 08/2012 – 05/2016  
University of Delaware

## SKILLS

### Computer Languages



### Technical Skills & Techniques



## PROJECTS

**SenateGraph**  
<https://senategraph.herokuapp.com/>

Visualizing Senators' Stances on Political Topics (NLP, Classification, Reddit/Twitter APIs)

**SVR**  
<https://github.com/tomsharp/SVR>

An Introduction to Support Vector Regression

**Feature Importance and Selection**  
<https://github.com/tomsharp/pulsar-stars>

Explainable Models using Pulsar Stars Dataset

## WORK EXPERIENCE

**Lead Data Scientist** 04/2019 – present  
Deloitte Consulting LLP

- Developed a portfolio of analytics capabilities to drive executive-level business and acquisition decisions for the deployment of a hardware/software security solution at airports nationwide
- Wireframed and automated (Python, Plotly Dash) weekly and daily reports for executives and program directors to assess operational performance at several U.S. airports
- Conceptualized and communicated a design of experiments for capturing key performance metrics which led to the creation of a program-level test plan
- Built a customized, multi-view dashboard using Python (Plotly Dash) to generate staffing forecasts for a Federal agency's personnel across 450+ U.S. locations
- Led the strategic planning and prioritization of key application functionality, and implemented standard practices (Git, Kanban) to accelerate development team's productivity

**Data Scientist** 09/2018 – 04/2019  
ContextEdge (Deloitte)  
<https://www.contextedge.ai>

- Developed a production-level NLP application (Plotly Dash) utilizing core technology of Deloitte's ContextEdge
- Utilized NLP to analyze 180 field reports from a federal agency within DHS, which led to identifying violations of federal compliance by several corporations
- Competed in firm-wide data "hackathons" to incubate rapid prototypes and solutions using data visualization and NLP platforms

**Consultant** 07/2016 – 09/2018  
Deloitte Consulting LLP

- Managed and built several key relationships, for both technical and business-focused clients, becoming the "go-to" adviser and point-of-contact
- Delivered several recommendations to executive-level clients which resulted in key decisions on enterprise-level strategy

**Engineering Intern** 05/2015 – 08/2015  
MedImmune (AstraZeneca)  
<https://doi.org/10.1002/bit.26608>

- Designed and executed lab-scale experiments to test the feasibility of a novel production process for Monoclonal Antibodies (mAb)
- Analyzed and presented resulting lab data to identify areas of improvement for scale-up