

# NICK TALLANT

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## EDUCATION

## </> PROJECTS

### **PURSuing, MASTER OF SCIENCE COMPUTATIONAL ANALYSIS & PUBLIC POLICY**

*University of Chicago,  
Harris School of Public Policy*

A rigorous study of statistics, computer science, and economics to prepare policy minded data scientists, civic technologists, and researchers.

### **BACHELOR OF SCIENCE, HONORS LIBERAL STUDIES IN MUSIC & SCIENCE**

*Texas A&M University - Commerce*

A development of the "not-so-soft" skills through performance art and music education, as well as research training in social psychology and physics.

### **PREDICTING WATER QUALITY**

ENVIRONMENTAL PROTECTION AGENCY, CURRENT  
This ongoing projects aims to predict E. Coli and nitrate levels for the Nooksack watershed in Washington by leveraging data from six real time sensors with python.

### **UCHICAGO POLICY DATA CENSUS**

HARRIS SCHOOL OF PUBLIC POLICY, 6/18 - 8/18  
Developed and deployed a website for sharing policy relevant datasets using Jekyll and Bootstrap. Coded use cases in R and python for all featured datasets.

### **PREDICTING WATER MAIN BREAKS**

CAPP PROJECT, 4/18 - 6/18  
Predicted city blocks at risk of water main breaks to implement a proactive maintenance policy using PostGIS (SQL), Sci-Kit Learn (python), and data from the City of Syracuse, US Geological Survey, and ACS.

## EXPERIENCE

### **QUANTITATIVE RESEARCHER**

FELLOW | IIC & CCSR, CURRENT

Analyzed the implementation of Common Core State Standards in Chicago Public Schools with Hierarchical Linear Modeling and other Econometric methods in HLM5, SAS, R, and python.

### **DATA SCIENCE TECHNICAL EXPERT**

THINKFUL | CURRENT

Mentored Thinkful students on statistics, exploratory data analysis, and machine learning in SQL and python as well as guided them through translating raw data and questions into meaningful analysis and data products.

### **CORPORATE ENGAGEMENT**

INTERN | GOOD FOOD INSTITUTE, 5/17 - 9/17

Analyzed product information in the plant based food industry and created a database using Excel, web-scraping in python, and personal communication.

### **JR. MACHINE LEARNING DEVELOPER**

SALAVON STUDIO | CURRENT

Constructed new user interface elements for deploying neural networks in real time on iOS devices and designed/implemented animations for event driven objects in Swift and xcode.

### **BUSINESS INSIGHTS ANALYST**

ASSOCIATE | GALLAGHER BASSETT, 6/18 - 10/18

Trained and deployed a predictive model for insurance claim complexity with automated reporting, as well as provided a full causal analysis of auto bodily injury claims utilizing R, python, SQL Server, and QGIS.

### **BUDGET & BUSINESS SERVICES**

ANALYST | TAMU-C, 5/16 - 5/17

Automated utility management for over 250 accounts using VBA, reducing processing time by 80% for accurate payment to utility providers.

## </> FAVORITE TOOLS

**PYTHON:** SK-LEARN, BS4, FLASK

**SQL:** PSQL, SQLALCHEMY, MS-SQL

**R:** GGLOT2, DPYLR, HTTP

**DRUMS:** GRETSCH, PAISTE, VATER