

NICK TALLANT

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EDUCATION

</> PROJECTS

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 projects aims to predict E. Coli and nitrate levels for the Nooksack watershed in Washington by leveraging data from real time sensors with python and R.

BIG DATA DASHBOARD - WATER FLOW

CAPP PROJECT, 11/19 - 12/19

Created a scalable water flow dashboard utilizing precipitation and discharge data for the entire United States with Hadoop, Hive, Hbase, Kafka, Flask, and JS.

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

CIVIC INNOVATION FELLOW

CODING IT FORWARD & SOCOM, CURRENT
Developed, managed, and deployed data science products for US Special Operations Command. While contents are classified, technical work utilized OpenCV, TensorFlow, MongoDB, and AWS.

APPLIED DATA & GOVERNANCE FELLOW FELLOW | IIC & CCSR, 10/18 - 10/19

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.

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.

GEOSPATIAL DATA SCIENTIST

RA | UNIVERSITY OF CHICAGO, 8/19 - 6/20
Evaluating the impacts of land use and reform policies in post-WWII Italy through a spatial regression discontinuity design using R, python, QGIS, and ArcGIS. Data arises from digitized historical maps and modern shapefiles.

iOS DEVELOPER

DEVELOPER | LATENT CULTURE, 1/19 - 9/19
Developed and refactored the iOS applications FaceOff and genmo in Swift and xcode. Lead and managed development projects resulting in a modular codebase to be used across applications in git and GitHub.

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

AT SCALE: HIVE, SPARK, SQL *

R: GGLOT2, DPYLR, KNITR

DRUMS: GRETSCH, PAISTE, VATER