

# Vanessa Trujillo

I am a recent graduate and API developer. I love math and coding in the name of statistics. I just started writing tutorials and contributing to open source. My objective is to find an employer offering opportunities for growth and development within the Data Science Field.



## EDUCATION

University of Illinois at Chicago  
August 2015 - December 2019  
Bachelor of Science in Mathematics  
Economics Minor

- Mathematics Researcher
- Economics Club
- Computer Science Club
- Mathematics Club
- Sustainability Club: Eco-Educator



## EXPERIENCE

### API Developer | Ameren | May 2019 – December 2019

- Coded, tested, debugged, and documented programs.
- Developed and maintained application interfaces, reports, and custom functionality.
- Upgraded 37 CRM REST API's to a standardized dynamic version.
- Created reports and dashboards visualizations for customer.
- Worked in **agile methodologies**, participant in agile training.
- **Learned Salesforce, MuleSoft, Maven, Confluence/Jira, Postman, Anypoint studio for developing API's, JavaScript, DataWeave, Oracle SQL Developer.**

### Math Researcher: Visualizing and Interacting with Paths in Configuration Spaces | UIC | January 2019 – May 2019

- This project explores the foundations of topological data analysis by creating an interface in virtual reality to let users interact with the data.
- To create our virtual application, we used the game engine Unity, which supports the Oculus virtual reality head console and touch controllers.
- Objects within Unity were possible through scripts written in C#. These scripts were attached to objects in the Unity as a medium for interaction between the objects at a given run-time. [Learn more.](#)

### Far Horizons Intern | Adler Planetarium | June 2014 – August 2014

- I utilized the data that was recorded from the devices (GPS, GoPro, etc) attached to the weather balloon.
- Used weather variables such as temperature, wind-speed, and other elements to complete an analysis with LibreOffice, of components that make up the atmosphere.



## PROJECTS

### Founder | Her Tech Hustle | January 2020 – Present

A diverse community to encourage and commemorate women in STEM; Coming together to network and share experiences.

- Developed [webpage](https://hertechhustle.github.io/HTH/) : [hertechhustle.github.io/HTH/](https://hertechhustle.github.io/HTH/)
- Established social presence: @hertechhustle
- Organized meetings/talks

### Energy Consumption Analysis (R)

This project helps interpret the data through appropriate plots, summary statistics, and the output from the regression analysis.

[View Project](#)

### Health Insurance Regression Analysis (SAS)

Constructed a regression model without interactions for data obtained from a health insurance company. I was able to predict the total costs of services provided. This project helps interpret the data through appropriate scatter plots (such as plots of the response against the various explanatory variables), summary statistics, and the output from the regression analysis.

[View Project](#)

## CONTACT



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## SKILLS

### LANGUAGE

- Fluent Spanish
- Fluent English
- Intermediate French

### MATH/STATS

- Mathematical/Probability Theory
- Exploratory Data Analysis
- Data and Sampling Distributions
- Statistical Experiments and Significance Testing
- Regression and Prediction – Linear Regression, Logistic Regression
- Classification
- Statistical Machine Learning

### TECHNICAL

- R
- LaTeX
- Python
- Markdown
- SAS
- Docker
- STATA
- REST APIs
- Excel
- Git and Version Control

### AWARDS

- Strata Data & AI – Scholar | O'Reilly Media, Inc. | January 2020
- St. Louis HealthHack | AWS | NLP 2<sup>nd</sup> place, September 2019
- TigerHacks-(MLH) | Microsoft | Best Use of HERE APIs, October 2018



## PUBLICATIONS

Trujillo, Vanessa. "[How To Create a Dockerfile For Data Science.](#)" *Medium*, Her Tech Hustle, 3 Mar. 2020.