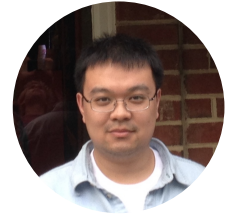


# WENYUAN WANG

is looking to become a **Data Scientist & UX Researcher**

✉ vaapad@live.unc.edu 📞 412-721-5243 🌐 <https://vaapad.web.unc.edu/>



## WORK EXPERIENCE

### Research Assistant

#### Visual Analytics and Communication Lab

📅 Aug 2017 – Present 📍 UNC Chapel Hill

- Contribute system development of **Cadence**, a visual analytic platform for high dimensional time series data, using **Java** and **JavaScript**.
- Data retrieval, governance and analysis, using **PostgreSQL** and **Python**.

### Research Assistant

#### Digital Innovation Lab

📅 June 2020 – June 2021 📍 UNC Chapel Hill

- Twitter Analysis of COVID vaccine related topics from October 2019 to February 2020, using **gensim library** for topic modeling (LDA).
- Create interactive visualization for exploratory data analysis using **pyLDAvis library**.

## PROJECTS

### Quora Question Pair

#### Text Mining Project

- Use **LSTM** and **Google word2vec** to train models to predict whether two questions with different wordings are identical.
- Make comparisons of model performances from both uni-directional and bi-directional LSTMs.

### Obama Care Visualization

#### Visual Analytic Project

- Data retrieval and pre-process from US census data on Obama Care Trend and citizen economic status.
- Use **d3 library** to implement interactive visualization based on geographic data.

### Usability Testing on IKEA AR

#### UX Study Project

- Implement **heuristic evaluation**, and **design user interaction tasks** for IKEA AR app.
- Use both **qualitative and quantitative methods** to identify user pain point and recommend relevant solutions.

## TECH SKILLS

Python ●●●●●

SQL ●●●●●

JavaScript ●●●●●

Java ●●●●●

R ●●●●●

## DECENT PERKS

Numpy Pandas Scikit-learn Plotly

Python Postgres d3

Statistical Analysis LSTM LDA

Visual Interactive Design A/B Testing

Qualitative / Quantitative Method

Usability Testing

## EDUCATION

### Ph.D. in Information Science

#### UNC Chapel Hill

📅 Aug 2017 – Present

Thesis title: *User-centered Design for Interactive Visualizations of Conflicting Information*

### M.Sc. in Information Science

#### University of Pittsburgh

📅 Aug 2013 – May 2015

### B.Sc. in Computer Science

#### Shanghai University of Finance and Economics

📅 Sept 2008 – June 2012