

# JEFFREY ROSAL

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60647

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## LINKS

<http://makethisabetterplace.com/webdevelopment.html>  
<https://github.com/jeros808?tab=repositories>  
<https://www.linkedin.com/in/jeffrosal/>

## EDUCATION

### SCHOOL OF THE ART INSTITUTE OF CHICAGO

Computer Science, Human  
Computer Interaction

SAIC Scholarship recipient  
SAIC Merit Scholarship recipient  
Graduated - Bachelors Degree  
GPA4.0

### COLLEGE OF LAKE COUNTY

Anthropology

Graduated - Associates Degree  
Dean's List/ Honors

### NORTHWESTERN UNIVERSITY

Data Science

Graduated - SPS Data science  
Certificate

**WILLING TO RELOCATE! ENGINEER, WITH OVER 8 YEARS OF EXPERIENCE IN RESEARCH, DATA AND PROGRAMMING. A SELF MOTIVATED, CREATIVE PROBLEM SOLVER WITH A PASSION FOR CODE, DATA DRIVEN RESEARCH, ANALYSIS AND BUILDING SIMPLE UX ARCHITECTURES FOR HAPPY USERS.**

## SKILLS

HTML,CSS ,WORDPRESS, REACT, JAVASCRIPT, PHP, PYTHON, R, C, SQL, NOSQL, EXCEL, MACHINE LEARNING, TENSORFLOW, KERAS, MATLAB, TABLEAU, WEBSCRAPING, DATA VISUALIZATION, JUPYTER NOTEBOOK, GOOGLE COLAB, UNITY3D, VISUAL STUDIO IDE

## RECENT EXPERIENCE

### DATA ENGINEER, The Apparel Agency — 2019 - Current

- Utilize coding skills in React, Javascript, Python, SQL, EXCEL
- Intergrate Browzwear API, Marketplace API to AWS data pipeline
- Utilize and research the implementation of data in APIs for KPIs with goals towards building analytics pipelines.
- Manage Agile Cross-functional Global development team including Fullstack REACT development using Jira and Confluence
- Build a complex Machine Learning application using a custom personality(choose your own adventure) quiz that connects A React Application to our current PHP application

### ASSISTANT INSTRUCTOR OF DATA SCIENCE AND WEB DEVELOPMENT, Northwestern University SPS/2U — 2019 - 2021

- Help Teach an intensive curriculum consisting of HTML, CSS, Python, R, SQL, NoSQL, AWS, Geojson, Postgres, Javascript, Plotly, Pandas, numPy, D3, Tableau, Data Analysis, Machine Learning, Tensorflow, Statistics, Jupyter notebook, C.r.u.d Apps, Data Engineering Skills, Various APIs and Tableau
- Prepared daily lectures with Head instructor
- Research into specific areas of study and implement into new curriculum where applicable
- Assist and Mentor Students before and after class, during office hours
- Grade Assignments, and Projects, Guiding and critiquing around 50 students.

### RESEARCHER & DEVELOPER, Cultivate Brands Agency — 2015-2019

- Research and Leverage data science tools for Multiple brands.
- Developed and deployed 20 plus Web and Mobile Applications including market places and complex multi-site educational systems using Javascript, React, HTML, CSS, PHP
- Created Quantitative and Qualitative testing using multivariate language to target key Demographics, to increase sales and brand awareness
- Help build Backend system architectures and utilize UX/user experience,..ie UserFlows , Prototyping, Decision trees
- Build Visualization Dashboards for audit reporting using Data from various research for BI Analysis , SEO, Marketing Research, Competitive research - MOZ, Google analytics analysis, Google Ad Word Tools - ppc research

