

TEACHER. FUTURIST. DATA ANALYST. DATA ENGINEER.  
FULL STACK DEVELOPER. RESEARCHER.

# Jeffrey Rosal

Self Driven, Creative problem solver with a passion for  
New Technologies, Code, Data Driven Research,  
and Machine Learning.

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## PORTFOLIO

Makethisabetterplace.com  
<https://github.com/jeros808>  
[www.instagram.com/jros808/](http://www.instagram.com/jros808/)

## EDUCATION

**COLUMBIA COLLEGE OF MISSOURI**  
Statistics

**COLLEGE OF LAKE COUNTY**  
Anthropology - Psychology  
Graduated - Associates

**SCHOOL OF THE ART INSTITUTE OF CHICAGO**  
Art and Technology - Computer Science  
Human Computer Interaction  
SAIC Scholarship recipient  
SAIC Merit Scholarship recipient  
Graduated- Bachelors

**NORTHWESTERN UNIVERSITY**  
Python, R, SQL, Machine Learning  
Data Analysis, Data Visualization  
School of Professional Studies Certificate  
in Data Science

**PARSONS New School**  
Streetwear  
Fashion Marketing - Branding  
Retail  
Sales  
Manufacturing  
Fashion - Certificate

## VOLUNTEER WORK

**TEACHER & MENTOR**  
**Arts of Life Chicago Studio**  
-Teach and mentor Artists with Disabilities

## SKILLS

**Tools/Code-** Git, HTML, CSS, Javascript, React.js, node.js, Python, R, PHP, C, C++ SQL, NoSQL, MySQL, MongoDB, Processing, TensorFlow, Keras, Pytorch, Matplotlib, Postgres, MongoDB, MySQL, Tableau, Hadoop, Spark, Keras, Pandas, Google Cloud AI, AWS, Browzwear API, Jupyter notebook, Google Colab, Arduino, Raspberry pi, Facebook API, WIT.AI, Google speech API, Natural Language Processing, OpenCV, AXURE, Sketch, ADOBE, Photoshop, Illustrator, Premiere, Bootstrap, Foundation, Blender, Unity 3d Engine, Google analytics, Moz, Heatmapping, Wordpress, Squarespace.  
**Knowledge-** HCI, UX Design, User Flow, Quantitative and Qualitative testing, Multivariate testing, A/B testing, Data Analysis, Usability testing, Machine Learning Algorithms, Generative Adversarial Neural networks. Database Engineering, Data mining, Agile Development, Systems Architecture, hardware/electronics (Analog circuits , sensors and Microcontrollers), Robotics, Wearables, Soft Electronics, SEO, Statistics, Bio Feedback, Singularity, Fashion and Apparel Production, Commercial Video, Commercial Photography, Digital Marketing, Business Development, QA, Video game Development, I'm constantly learning.

## RECENT EXPERIENCES

**2019-Present ASSISTANT INSTRUCTOR - DATA SCIENCE**

**Northwestern University**  
- Help Teach a 6 month intensive curriculum consisting of Python, R, SQL, Javascript, Data Visualization, Tableau, Data Analysis, and Machine Learning

**2019-Present - ENGINEER**

**The Apparel Agency - fashion**  
- Data Engineer -Python, SQL, EXCEL  
- Browzwear API, Marketplace API  
- Lead Fullstack REACT development  
- Data Analysis - Google Analytics  
- Manage App Development

**2015-2019 RESEARCHER & DEVELOPER**  
**Cultivate Branding Agency**

- Stake holder interviews  
- Develop in Javascript, HTML, CSS, PHP  
- Quantitative and Qualitative audits  
- UX - user journey - testing  
- BI Analysis - Data Analysis  
- SEO and SEM for Digital Marketing  
- Marketing Research and audit reporting  
- Competitive research - MOZ  
- Google analytics analysis  
- Ad Word Tools -keyword - ppc - research  
- Graphic Design and Image Editing

**2014 VP of UX DESIGN**

**PeepmyFooty - start up skateboard tech**

**2013 UX RESEARCH, Marketing, AND FRONTEND DEV**  
**Bucketfeet - Apparel**

**2013 STARTUP INSTITUTE CHICAGO**  
UX/UI Design, Research and Frontend Development

MACHINE LEARNING ENGINEER. CREATIVE TECHNOLOGIST.  
UX EXPERT. LEADER. CURIOUS HACKER.

FAST AND ACTIVE LEARNER.  
EMPATHETIC CULTURE CAMELEON.