

# Jeffrey Rosal

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**Self motivated, creative problem solver with a passion for code, data driven research, analysis and simple designs for easy decision making.**

## PORTFOLIO LINKS

<https://github.com/jeros808>  
[Makethisabetterplace.com](#)  
old - portfolio [jeffreynosal.com](#)

## EDUCATION

**COLUMBIA COLLEGE OF MISSOURI**  
Statistics - credit towards degree

**COLLEGE OF LAKE COUNTY**  
Anthropology - Psychology  
Graduated - Associates  
Dean's List/ Honors

**SCHOOL OF THE ART INSTITUTE OF CHICAGO**  
Art and Technology - Computer Science  
Human Computer Interaction  
- Java, C, C#, C++, Arduino, Processing.js  
- Analog Electronics, -Sensors, IC  
- MicroControllers -  
- Robotics  
SAIC Scholarship recipient  
SAIC Merit Scholarship recipient  
Graduated- Bachelors  
GPA 4.0

**NORTHWESTERN UNIVERSITY**  
Python, R, SQL, Machine Learning  
Data Analysis, Data Visualization  
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  
Mental Disabilities

## SKILLS

**Tools/Code-** Git, HTML, CSS, Javascript, React.js, node.js, Python, R, PHP, C, C++ SQL, NoSQL, MySQL, Matlab, MongoDB, Processing, TensorFlow, Keras, Pytorch, Matplotlib, Postgres, MongoDB, Excel, 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, Google maps API, Instagram API, Twitter API, OpenCV, AXURE, Vader Sentiment Analysis, Sketch, ADOBE, Photoshop, Illustrator, Premiere, Bootstrap, Foundation, Blender 3D, Unity 3d Engine, Google analytics, Moz, Heatmapping, Hotjar, Hubspot, Wordpress.  
**Knowledge-** HCI, UX Design, User Flow, Quantitative and Qualitative testing, Multivariate testing, A/B testing, Data Analysis, Usability testing, Machine Learning Algorithms, NLP, 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, .3D Modeling.... I'm constantly learning.

## RECENT EXPERIENCES

**2020-Present CO-FOUNDER CTO**  
**Public Domain**  
- Design, Develop PHP, and Manage  
ECommerce Site - WooCommerce  
- Create Social identity using Motion Graphics  
- Implement Analytics, Marketing Campaigns

**2019-Present ASSISTANT INSTRUCTOR -**  
**DATA SCIENCE - Part time**  
**Northwestern University**  
- Help Teach an 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 - UserFlows - Prototyping  
- 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