Yasmeen Roumie

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yasmeen.github.io

Experience

Tinder – Data Science Intern
June – August 2018

- ✦ Worked on natural language processing and predictive topic modeling with k-means clustering for Tinder messages, using weighted word embeddings
- ✦ Discovered popular message topics and analyzed user contact exchange trends
- ✦ Deployed model on Amazon SageMaker to be used in production through Tinder's data pipeline

Snapchat – Interaction Engineering Intern
May – August 2017

- ✦ Deployed augmented reality lenses implementing hand and body tracking technology [Lua, JavaScript]
- ✦ Worked alongside computer vision researchers to create mixed-reality experiences using machine learning-based tracking for objects in 3D space

NASA – Engineering Intern
June – August 2016

- ✦ Developed interactive augmented reality experiences for Microsoft HoloLens on the Launch Vehicle Integration Team that allow viewing and tracking simulated spacecraft launches in 3D
- ✦ Created mixed reality replicas of future spacecraft for astronauts to virtually explore to reduce costs
- ✦ Gave talk on "The Rules of Rapid Prototype Development" to over 300 people at Unity Technologies Development Conference

Projects

Quiz App – "Cram"

- ✦ Developed Python backend of multiplayer iOS trivia app to generate questions based on course lectures

Yelp Augmented Reality App – "RadAR"

- ✦ Wrote Python backend of augmented reality iOS app for that displays Yelp rating and Facebook check-in info above detected storefronts using Google Cloud Vision API

Medical Augmented Reality App – "PillAR"

- ✦ Created Python backend of augmented reality iOS app that uses computer vision to identify text on pill bottles and tracks usage, then displays relevant medication information scraped from the web

Skills

Python [Flask], C++, JavaScript, HTML, CSS
Spark [pyspark], pandas, numpy, scipy, sklearn, nltk, SQL, tensorflow

Education

Harvard University   **Bachelor's, Computer Science**
Expected May 2020

Awards

Tinder Intern Hackathon 2018 (1st Place), Facebook Global Hackathon 2016, 2017 (Finalist), MHacks Fall 2017 (Facebook Prize), PennApps Fall 2017 (2nd Place), Snapchat Intern Hackathon 2017 (2nd Place), PennApps Fall 2016 (1st Place)