JASON WANG

Software Engineer

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EDUCATION

Duke University

B.S. Computer Science | B.S. Statistics

Graduation Date: May 2021 Durham, NC

GPA: 3.71
Dean's List Fall 2018, Spring 2019

EXPERIENCE

Facebook

Software Engineering Intern

May 2020 – August 2020 Remote

- Improved UX of Assistant voice activity in Oculus Twilight companion app. [Android, React Native]
- Designed and introduced a native settings page for Assistant voice activity in the native Oculus headset. [React Native, GraphQL]
- Created APIs to support Oculus per-device Assistant voice activity. [PHP]

Sentry AI

Software Engineering Intern

May 2019 – August 2019 Sunnyvale, CA

- Pioneered and deployed a face detection classifier on discrete static images with accuracy unmatched by any existing algorithm. [Python, OpenCV DNN, AWS Rekognition, Tensorflow]
- Implemented and deployed a facial recognition and face clustering product with 95% accuracy using discrete images from home security cameras. [Python, AWS Rekognition, Tensorflow]
- Trained and tested a CNN for front-facing face detection. [Python, Darknet]
- Created and pitched real-time facial recognition demos for investors at the 2019 IIT Conference.

SAATH Savings and Credit Cooperative Society

Data Science Intern

May 2018 – Aug 2018 Ahmedabad, India

- Improved data classification time by 3000% by implementing a logistic regression model. [Python]
- Cleaned and unified customer data. [OpenRefine, Regex]
- Created workshops and taught Microsoft VBA to the IT and accounting departments.

SKILLS

Python, Java, R, React Native, Git, Unix ●●●●●

PHP, JavaScript, Docker, Tensorflow ●●●●○

C, Swift, HTML, CSS, AWS ●●●○○

PROJECTS

Better Choice

http://better-choice.org

- HackDuke 2018 - mobile app advocating non-polarizing political education.
- Deployed code for a working calendar that includes an event planning feature. [iOS, Swift]
- Developed a live map. [iOS, Swift, Google Maps API]

Game of Thrones Face Comparison

- Compares the user's face to celebrity faces from a movie or TV show, then morphs and swaps the user's face with the face of the TV character with the highest scoring similarity. [Python, OpenCV, Tensorflow]

Analysis of Factors Contributing to Crime

- Built multiple-linear and multinomial logistic regression models to predict the crime rates in an area given selected features. [R]
- Achieved classification rates of 80% for violent crimes and 78% for non-violent crimes using 3 binning categories and an AUC of 0.81.

Connect 4 Bot

- Built a AI that plays Connect 4 with the user using the minimax and alpha-beta pruning algorithms.

Bass Connections: A Wider Lens on Energy

- Research Project: using neural nets to help inform energy access decisions. [Python, PyTorch]

COURSEWORK

- Design and Analysis of Algorithms
- Applied Machine Learning
- Machine Learning (Stanford Online)
- Everything Data
- Regression Analysis
- Introduction to AI
- Data Structures and Algorithms
- Matrices and Vector Spaces
- Foundations of Data Science
- Probability
- Multivariable Calculus for Economists
- Computer Architecture
- Intro to High Dimensional Data Analysis