Jason Wang

SOFTWARE ENGINEER

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Experience

Sentry AI   *Sunnyvale, CA*
SOFTWARE ENGINEER INTERN   *May 2019 – August 2019*
- Pioneered and deployed a face detection classifier on discrete static images with accuracy unmatched by any other algorithm in the world. [Python, OpenCV DNN, OpenPose]
- Implemented and deployed a facial recognition and face clustering product with 97% accuracy using discrete images from home security cameras. [Python, Amazon Rekognition]
- 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   *Ahmedabad, India*
DATA SCIENCE INTERN   *May 2018 – Aug 2018*
- Improved data classification run time by 3000% by building a logistic regression model. [Python]
- Cleaned and unified customer data. [OpenRefine,Regex]
- Created training workshops to teach Microsoft VBA to the IT and accounting departments.

Projects

Better Choice || http://better-choice.org
- Mobile app advocating non-polarizing political education.
- Developed a working calendar that includes an event planning feature. [iOS, Swift]
- Deployed code for a live map. [iOS, Swift, Google Maps API]

Celebrity 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 celebrity with the highest scoring similarity. [Python]

A Wider Lens on Energy
- Research Project: used neural nets to help inform energy access decisions.
- Improved detection of energy infrastructures on satellite images of differing resolution and illumination. Improved existing accuracy by 20% [Python]

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 misclassification rates of 20% for violent crimes and 22% for non-violent crimes using 3 binning categories.

Education

Duke University University   *Durham, NC*
B.S. COMPUTER SCIENCE, B.S. STATISTICS   *August 2017 - May 2019*
- **GPA: 3.71**
- **Dean's List** *Fall 2018, Spring 2019*

Skills

Working Knowledge	Python, Java, R, Git, Unix
Basic Knowledge	C, Swift, HTML, CSS, Javascript, Docker, Tensorflow, AWS

Coursework

Applied Machine Learning, Machine Learning (Stanford Online), Everything Data, Regression Analysis, Introduction to Artificial Intelligence, Data Structures and Algorithms, Matrices and Vector Spaces, Foundations of Data Science, Probability, Multivariable Calculus for Economists, Computer Architecture