JEREMY HINTZ

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PROFESSIONAL EXPERIENCE

Uber, Palo Alto, CA — *Software Engineer I* JANUARY 2017 - PRESENT

Uber, San Francisco, CA — *Graduate Software Engineering Intern* MAY 2016 - AUG 2016
- Improved average peak-time CPU utilization by 5% and P99.9 latency by 17%
- Developed a predictive capacity model for projecting future traffic patterns and subsequent CPU and latency values
- Created EMR job to process historical traffic and replay on production servers at magnified levels and with specific patterns
- Built tool that assessed current datacenter load and provisioned servers to achieve projected load balance

RetailMeNot, Austin, TX — *Machine Learning Intern* MAY 2015 - NOV 2015
- Drove estimated $1.1 million in revenue for Q3 & Q4 through higher click-to-deliver rates and lower lapse rates
- Built and trained a logistic regression machine learning model using Python with sklearn to predict user-item affinity
- Used output of logistic regression affinity model as input to implicit matrix factorization model for collaborative filtering
- Built algorithm in Apache Spark, achieving mean percentile rank of 7% for dataset of 12 million users, 1 thousand items

RealMassive, Austin, TX — *Software Engineering Intern* MAY 2014 - DEC 2014
- Developed iOS application that interacts with RealMassive public API using RestKit, Google Maps SDK, and SendGrid API

Samsung Semiconductor, Austin, TX — *Engineering Intern* MAY 2013 - AUG 2013
- Raised overall throughput of target sector by 4%, representing direct cost savings of $640,000 per quarter
- Engineered a solution to manufacturing stop-loss by developing new method for isolating outliers in streaming data analysis

EDUCATION

The University of Texas at Austin

M.S. Computer Science, Engineering, and Math
GPA: 3.62 **GRADUATION DATE**: DEC 2016
THESIS TOPIC: Deep Generative Adversarial Networks
COURSES: Deep Learning (Python), Machine Learning (Python), Genomic Data Science (Python), Computational Linguistics

B.S. Computer Science
GPA: 3.51 **GRADUATION DATE**: MAY 2015
Courses: 3D Computer Vision (Python), Data Mining (Python), Mobile Computing (Java, Android), iOS Programming

ON-CAMPUS INVOLVEMENT

Grad Operating Systems, *Teaching Assistant*
- Assisting students with independent projects and grading assignments on advances operating systems concepts

Undergrad Operating Systems, *Teaching Assistant*
- Lead two weekly discussion sections of 30 students, hold weekly office hours, assist with projects, and grade exams

The Daily Texan, *Director of Web Development*
- Supervise team of 4 developers to perform design overhaul and migration from Drupal to Webhook platform

PROJECTS

Yearbook Photo Predictor (Python, Tensorflow)
- Used deep VGG neural network to predict the year a yearbook photo was taken github.com/jamoque/yearbook_prediction

Selfie Studio App (Java, Android)
- App uses computer vision and machine learning techniques to rate users' selfies: github.com/jamoque/selfie_studio

CV Checkers (Python, OpenCV)
- Allows users to play checkers with physcial pieces remotely by "reprojecting" game board: github.com/jamoque/cv_checkers

YAMDE: (Python, OpenCV)
- Online markdown editor: github.com/jamoque/yamde

SKILLS

Languages
- Python
- Java
- C

Other Technologies
- Tensorflow
- sklearn
- OpenCV
- Apache Spark/MLlib
- Hadoop
- Hive / Pig

HONORS & CERTIFICATIONS

Mensa International Member

Duane Lee Moody Scholar
- Awarded to outstanding engineering student

Browning Endowed Scholar
- Awarded to student displaying academic excellence