DANIEL TANG

B.S. COMPUTER SCIENCE, DATA SCIENCE

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EXPERIENCE

Technical Lead - Credit Risk Prediction Team

Bill.com/Rice D2K

January 2020 – May 2020 | Houston, Texas

- Responsible for leading a team of Rice graduate and undergraduate students working directly with Bill.com in developing a credit risk prediction model to accelerate B2B payments and predict default before it occurs.
- Created a pipeline involving pre-processing, visualization, encoding, modeling, validation, and robustness. Responsible for weekly presentations and reports. Worked 1-on-1 with the chief data scientist at Bill.com.

Software Engineering (Developer #5)

AirMettle, Inc.

December 2019 – Current | Houston, Texas

- Stealth mode intelligent data storage startup. Responsible for maintaining database, running SQL queries and computing metrics on AWS to test novel storage technology. Worked with CEO on business development and entrepreneurship.

Software Engineering Intern

JPMorgan Chase & Co.

June 2019 – August 2019 | Houston, Texas

- Worked on a Corporate and Investment Banking application, a file poller, in Java, for trade and trade allocation which renders client email, confirms trade details with front office trade application, and allocates funds according to client guidelines sent in the email. Designed and implemented a JVM memory leak analyzer.

PROJECTS

Sentiment Analysis for Yelp Reviews: Star Prediction

Machine Learning for Data Science

November 2019 | https://git.io/Jex45

- An interactive web app (**https://tinyurl.com/wrsbwcx**) introducing the concept of a suggestive Yelp Rating. Provides an accurate rating that corresponds to any text review of any product using NLP and models such as multinomial logistic regression and SVM.

Chevron Drill Penetration Rate Prediction

Rice Datathon 2020 - 2nd Place

January 2020 | https://git.io/JvEaz

- Predicted drill penetration rate given categorical and continuous variables relating to offshore oil rig ($\sqrt{MSE} = 16, \sigma = 80$). One-hot encoding used to pre-process data and Random Forest/CNN used to generate prediction.

OBJECTIVE

Seeking: Full time Software Engineering or Data Science position for 2021 Grad.

EDUCATION

B.S. Computer Science, Data Science

Rice University | GPA 3.7

Aug 2017 – May 2021

TA - Masters level Databases, President's Honor Roll, Trustee Distinguished Scholar, Google Developer Student Club Lead, CS Club, Data Science Club, HackRice 8/8.5, Datathon, 3-Day Startup

High School

West Linn High School | GPA 4.46

Sept 2013 – June 2017

Valedictorian, 2-time International Science and Engineering Fair Finalist

COURSEWORK

Computational Thinking | Program Design | Matrix Analysis | Algorithmic Thinking | Statistics for DS | Adv. Algorithms | Databases | Computer Eng. | Machine Learning for DS | Applied Machine Learning | Parallel Programming | Computer Systems

SKILLS

Python | PySpark | Java | HTML/CSS | MATLAB | R | C | SQL | AWS | ReactJS | OOP | Functional Programming | Neo4J | MongoDB | LaTeX