Jimmy Ding

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EDUCATION

UT AUSTIN
BS in Computer Science
Expected May 2023 | Austin, TX
Cum. GPA: 4.0

BS in Mathematics
Expected May 2023 | Austin, TX
Cum. GPA: 4.0

LINKS

Github:// **DimmyJing**
LinkedIn:// **JimmyGuDing**

COURSEWORK

UNDERGRADUATE
M340L Matrices/Matrix Calculations
M427J Differential Equations with Linear Algebra
CS314 Data Structures
CS311 Discrete Math

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
Familiar:
Python • c++ • Typescript • JavaScript
Intermediate:
Java • c • Go

LIBRARIES AND FRAMEWORKS
Back end:
TensorFlow 2 • PyTorch • Django • Git
Front end:
React • React Native • Redux • MaterialUI • TailWind CSS

ACTIVITIES

• Association of Computer Machinery (ACM)
• Information and Systems Security Society (ISSS)
• UT Programming Contest (UTPC)

EXPERIENCE

SUN YAT-SEN UNIVERSITY | Backend Developer
May 2019 – August 2019 | Suzhou, China
- Preprocessed and cleaned CSV datasets using pandas, numpy, and matplotlib for machine learning
- Utilized multiple servers for hyperparameter search and prediction, increasing test accuracy to 96%
- Designed and optimized machine learning model that trained and predicted categorical results using time series data.

ZYKIE NETWORKS | Backend Developer
May 2018 - August 2018 | Suzhou, China
- Designed and programmed python library to simplify interaction with database in development
- Implemented custom function that complements SQL query calls to facilitate python/Tensorflow integration
- Constructed simple linear regression models that can be customized with modified SQL statements to simplify model development

PROJECTS

DOLLARY | Developer
March 2018 – Present | Dallas, TX
- Built iOS application using React-Native front-end framework to provide users service/restaurant recommendations based on spending habits
- Established hosting platform and managed back-end processes on Firebase databases with Python, Django, and SQL languages
- Integrated Yelp, GrubHub, and Plaid API into application and managed deployment on AWS servers to provide a beta version to 100+ users

FANNIE DISPLAE | Developer
February 2020 – March 2020 | Dallas, TX
- Used Pandas, NumPy, and Google Collaboratory to create models to predict housing market loan performance based on Fannie Mae datasets
- Integrated the ERSI API to visualize and map areas with high risk mortgage default rates across the United States for low income residents

MEDIROUTE | Developer
March 2020 | Arlington, TX
- Integrated Google Places API and Here API to plan routes for emergency vehicles
- Constructed custom website integrated with the main app for emergency reporting and automatic location tracking
- Implemented different policies using input variables speed limits and traffic to optimize route construction for emergency vehicles

AWARDS

Year	Place	Competition
2020	2nd Place	UT Arlington Open Data Hackathon
2020	2nd Place	UT Dallas (ICPC) International Collegiate Programming Contest
2019	Gold	United States of America Computing Olympiad
2019	2nd Place	Fannie Mae Data Visualization Challenge
2019	1st Place	Hewlett-Packard Annual Code Wars
2019	1st Place	Richardson Frozen Eagle Programming Competition