

Jimmy Ding

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EDUCATION

UT AUSTIN

BS IN COMPUTER SCIENCE

Expected May 2023 | Austin, TX
Cum. GPA: 3.95

LINKS

Github:// [DimmyJing](#)

LinkedIn:// [JimmyGuDing](#)

COURSEWORK

UNDERGRADUATE

CS314 Data Structures
CS311 Discrete Math
CS429 Computer Architecture
CS104c Competitive Programming
M408D Multivariable Calculus
M340L Matrices/Matrix Calculations
SDS321 Intro to Probability/Statistics

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Familiar:

Python • c++ • Typescript • JavaScript

Intermediate:

Java • c • Go

LIBRARIES AND FRAMEWORKS

Back end:

TensorFlow 2 • PyTorch • Django • Git • Docker • Kubernetes

Front end:

React • React Native • Redux • MaterialUI • TailWind CSS • Apollo • Gatsby

ACTIVITIES

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

EXPERIENCE

ZYKIE NETWORKS | BACKEND DEVELOPER

May 2021 – Present | Remote

- Written a graph-based database that enhances performance for both storage and query.
- Utilized c++ to write high performance concurrent code that involves lockless data structures.
- Sped up query time for production environment from 900 seconds to less than a second, securing a contract.

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

2021	10th Place	South Central USA ICPC Contest
2020	2nd Place	UT Austin HackTX Hackathon
2020	2nd Place	UT Arlington Open Data Hackathon
2019	Gold	United States of America Computing Olympiad
2019	2nd Place	Fannie Mae Data Visualization Challenge
2019	1st Place	Hewlett-Packard Annual Code Wars