Jimmy Ding

https://jimmyding.com/
jimmyguding@gmail.com | 469.939.9648

EDUCATION

UT AUSTIN

BS in Computer Science
Expected May 2024 | Austin, TX
Cum. GPA: 3.97

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
CS376 Computer Vision
CS378 Safe and Ethical AI
CS439 Principles of Computer Systems
CS331 Algorithms and Complexity
CS361S Network Security/Privacy
CS378 Programming for Correctness and Performance

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Python • C++ • Typescript • JavaScript • Java • C • Go • SQL • Bash • Elixir

TECHNOLOGIES

TensorFlow 2 • PyTorch • Django • Git • Docker • Kubernetes • React • React Native • Redux • MaterialUI • TailWind CSS • Apollo • Gatsby • FastAPI • SQLite • Node • Guice • EC2 • S3 • Elasticsearch

ACTIVITIES

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

EXPERIENCE

AMAZON | Software Dev Engineer Intern

May 2022 – August 2022 | Austin

- Wrote production level code to create services that influenced 15,000 customers in Amazon Business.
- Worked with data engineers to integrate machine learning models with existing services.
- Utilized internal Amazon tools to create visualizations and metrics to monitor statuses of services.

APEX ENGINEERS | Software Dev Intern

October 2021 – May 2022 | Remote

- Designed python scripts to automate menial tasks in structural design.
- Sped up calculation for load bearing walls from hours to seconds.
- Used WebView2 to create user-friendly interfaces with React and FastAPI.

ZYKIE NETWORKS | Backend Developer

May 2021 – August 2021 | Remote

- Created a graph-based database that enhances performance for both storage and query.
- Programmed in C++ to write high performance concurrent code that involves lockless data structures.
- Optimized query time for production environment from 900 seconds to less than a second, securing a contract.

PROJECTS

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

GREEN SCREEN | Developer

October 2021 | Richardson, TX

- Engineered a recurrent neural network time series predictor using Keras to predict future company ESG scores
- Created custom made web scraper to generate a dataset used to train the RNN
- Designed front-end interface with React in which users can import their stock portfolio and track their own weighted real-time ESG score based off the distribution of their investments

AWARDS

2022	4th Place	National Collegiate Cyber Defense Competition
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