Annan Wang

annanw0401@gmail.com | Sunnyvale,CA

803-261-2171 | linkedin.com/in/annanwang | gitlab.com/Nirvana_W | nirvana-w.github.io

EXPERIENCE

Software Engineer, HubSpot, Cambridge, MA   Jan 2022 – Current
- Led cross-team initiative to support form customization given conditional properties. Set up milestones for this long-term investment, and designed and built multiple UI components and data contracts to power many-to-many data logic. This product uses Typescript, GraphQL, React and Redux, and benefits 5k+ daily users.
- Launched a data overview feature that offers users a landscape view of the data structure for better management. This feature leverages React Flow and has been adopted by 30% of users across the platform.
- Built an UI on an existing API set to enable users to interactively create custom objects in their CRM system, which unlocks 40%+ of users to onboard.
- Implemented and upgraded testing with RTL, Enzyme and Selenium across the codebase for production reliability. Reduced redundant logic to improve app loading latency by 50% for better user experience.

Software Engineer Intern, Deep Voxel, Irvine, CA   July 2019 – Aug 2019
- Developed a deep learning model with PyTorch based on U-Net, which locates lung nodules in CT scans.
- Designed a tool in python that helps separate, clean and analyze data for training and testing purposes, including functions that randomly select a certain amount of data according to given constraints, and show the distribution of the dataset and matching CT IDs with their corresponding images.
- Designed a web-based visualization tool which automatically highlights the locations of nodules on the CT scans given the result from our model. The tool also provides a description and diagnostic result for each scan.

Web Development Intern, Anshare Technology, Nanjing, China   May 2017- Aug 2017
- Developed the controller part of a software-based on C# MVC and SQL database, which works efficiently as a data storage platform for large-scale information of physical questionnaires for the clients.

EDUCATION

The University of Texas at Austin, Austin, TX   Aug 2021
Bachelor of Science in Computer Science
Relevant Coursework: Computer System · Generic Programming · Algorithm · Software Engineering · Data Structures · Computer Architecture · Artificial Intelligence · Linear Algebra · Probability · Discrete Math · Multivariable Calculus

TECHNICAL KNOWLEDGE

Web: JavaScript · TypeScript · React · Redux · GraphQL · Selenium · RTL · HTML · CSS · Bootstrap
Backend: Python · Java · C++ · SQL · MySQL

PROJECTS

Air Decibel Database Website (JavaScript & React)
- Led with a team of 5 to create a website with Python, React, SQL and postman API. Analyzed the levels of air noises created by aircraft all over the world by collecting flight data through several open API sources.
- Created and designed the home page, about page and search page with react and bootstrap. Pulled data dynamically from different API sources including GitLab API, flight data API and postman API.

Netflix User Rating Prediction (C++)
- Predicted millions of user ratings for movies with data from the Netflix Prize written in C++. Designed multiple caches to predict the rating, which achieved an RMSE of 0.95 with over one million rating predictions.

COVID-19 Daily New Cases Prediction (Python)
- Predict future COVID-19 cases using neural networks written in python. Using tensorflow and jupyter notebook, my model was able to produce relatively close predictions in countries with fewer new cases like Mexico.

Anagrams (Java)
- Created a tool to find all possible anagrams of a given word based on words in a dictionary, including combinations of anagrams of subsequences.