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Henry Li

Software Engineer

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SKILLS

Technologies: Python, JavaScript, TypeScript, NodeJS, Mongodb, Mongoose, MySQL/SQL, HTML, CSS, REST API, Data Structures, Algorithms, Git, Object Oriented Programming/Design, AWS

Frameworks: Flask, Django, React JS, Express JS, Jest, Pytest, AGILE/SCRUM, Jira, Pytorch

Languages: English, Cantonese

EXPERIENCE

VantageScore

April 2023 — July 2023

Full-Stack Software Engineer (Contract)

- Executed Credit Score Model conversion into python classes to standardize and score millions of records for the three Major Credit Bureaus
- Developed responsive landing pages using ReactJS, boosting daily user engagement by 20% for 100+ daily visitors
- Integrate 3rd party API for bank authorization and information to work with company credit scoring model
- Developed robust unit tests using Pytest, ensuring 99.9% API uptime and eliminating critical errors in production
- Optimized cloud deployment workflows by managing EC2 staging and development environments via Terraform, reducing deployment time by 30%
- Converted legacy credit score models into scalable Python classes, enabling seamless processing of 10M+ data records for major credit bureaus.

PROJECTS

Fruit Image Classifier

October 2024 — Current

Pytorch, Python

[Repository](#)

- Developed Neural Network model to classify different types of Fruits with 80% accuracy
- Utilize Pytorch and convolution neural network learning algorithm
- Conducted hyperparameter tuning to increase model efficiency by 5%
- Implemented web scraping pipelines to collect and preprocess data, generating a high-quality dataset used for training and validating CNN.

Unplug Project

April 2022 — Sept 2023

Node JS, Express JS, React JS, Mongodb, Mongoose

[Repository](#) | [Demo](#)

- Conceptualize solution to combat college student loneliness and to encourage campus engagement
- Utilize Mongodb cloud to manage user information, schemas and account verification tokens
- Adopt JWT token authentication for additional user security
- Incorporated Bcrypt hashing for password encryption
- Construct REST API endpoint architecture and used web sockets for live chat functionality

Random Recipe Generator

Jan 2022 — Feb 2022

React JS

[Repository](#) | [Demo](#)

- Restructured and launched modern cookbook page design in order to help users sift for new and random recipes
- Integrated Framer Motion for complex interactive animations and Material UI framework for an elegant mobile responsive interface
- Maximized application simplicity with search functionality and step-by-step cooking instructions
- Enhanced application performance using local memory storage to access saved recipes

EDUCATION

B.S. in Cognitive Science focused in AI/HCI. University of California, Santa Cruz