# 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
- Integrated 3rd party API for bank authorization and information to work with company credit scoring model
- Designed 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*

- Develop Neural Network model to classify different types of Fruits with 80% accuracy
- Utilize Pytorch and convolution neural network learning algorithm
- Conduct hyperparameter tuning to increase model efficiency by 5%
- Implement 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*

- Conceptualized solution to combat college student loneliness and to encourage campus engagement
- Utilized Mongodb cloud to manage user information, schemas and account verification tokens
- Adopted JWT token authentication for additional user security
- Incorporated Bcrypt hashing for password encryption
- Constructed 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