Henry **Kam**

Full Stack Web Developer · Software Engineer

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Summary

Full Stack Web Developer with a background in Materials Science and a life-long dedication to innovation. Proficient in MERN stack, bringing enthusiasm to every project. Known among peers and acquaintances for being team-oriented and analytical.

Skills

LANGUAGES

- Java | Python | JavaScript | HTML5/CSS | SQL | MATLAB | C++ | English | Mandarin Chinese

FRAMEWORKS/LIBRARIES

- jQuery | MongoDB | Express.js | React.js | Node.js | MySQL | GraphQL | Tensorflow | Selenium

ABILITIES

- Agile | CPR/AED/First Aid | Problem Solving | Communication | Leadership | Adaptability | Reliability

Relevant Projects

3D Art Gallery | HTML, CSS, JavaScript

HTTPS://GITHUB.COM/ARGIBSON02/3D-GALLERY-WALK

- Spearheaded a web app project that displayed paintings in the Rijksmuseum API in a 3D space. Utilized JQuery, Materialize CSS, Three.js, Jimp.

Moonbase | HTML/Handlebars, CSS, JavaScript, MySQL

HTTPS://GITHUB.COM/GULPINHENRY/MOONBASE

- Designed an investment forum with integrated stock data. Utilized Axios, Bcrypt, Bootstrap, Cheerio Web Scraper, Express.js, Finnhub Stock API, Handlebars.js, MySQL, Node.js, Sequelize, Yahoo Finance.

Cryptocraft | HTML, CSS, JavaScript, NoSQL

HTTPS://GITHUB.COM/GULPINHENRY/CRYPTOCRAFT

- Implemented a cryptocurrency investment simulator where users can manage portfolios which use real time data from Coinbase API. Built with MongoDB, Express.js, React.js, Node.js, Apollo Server, Axios, bcrypt, Chart.js, GraphQL, JSON Web Token, Material UI, Mongoose, Robo 3T.

Book Search Engine | HTML, CSS, JavaScript, NoSQL

HTTPS://GITHUB.COM/GULPINHENRY/BOOK-SEARCH-ENGINE

- Engineered a user-based book search engine using the Google Books API, where users could save their favorite books. Built with MongoDB, Express.js, React.js, Node.js, Apollo Server, bcrypt, GraphQL, JSON Web Token, Material UI, Mongoose.

Work Experience

Research Intern   *San Jose, CA*

SAN JOSE STATE UNIVERSITY - COMPUTATIONAL MATERIALS RESEARCH LAB   *Jan. 2020 - Present*

- Advised by Dr. Santosh KC, which focuses on understanding electronic, optical, and magnetic properties of various materials for novel device applications.
- Utilized machine learning correcting functionals and quantum computing software to analyze the electrical and ionic conductivity of Silicene, the two-dimensional form of silicon.

Cofounder, General Science and Python Lead Teacher *Online*

YAPA KIDS *Apr. 2020 - Aug. 2021*

- YAPA Kids is a global nonprofit student-run organization dedicated to providing free supplemental education to 5000+ 1st-8th grade students during the Covid-19 pandemic through Zoom.
- Developed 20+ weekly lesson-plans, including scripts, slideshows and online interactives for the program's curricula.
- Programmed an automated customer ticketing system, and led a team of 5 to handle 40+ weekly inquiries.

Education

New York University *New York, NY*

B.S. IN COMPUTER ENGINEERING *Expected May 2025*

University of California, Berkeley *Berkeley, CA*

CERTIFICATE IN FULL STACK WEB DEVELOPMENT *Dec. 2021*