

Henry Kam

Cupertino, CA 95014 • New York City, NY 11201

[\(408\) 329-8013](tel:(408)329-8013) • h3nrykam@gmail.com • github.com/gulpinhenry • linkedin.com/in/kamhenry/

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.

TECHNICAL SKILLS AND ABILITIES

Languages

- Java | Python | JavaScript | HTML5/CSS | MATLAB | English | Mandarin Chinese | Cantonese

Frameworks/Libraries:

- jQuery | MongoDB | Express.js | React.js | Node.js | MySQL | Sequelize | 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> | <https://argibson02.github.io/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> | <https://guarded-chamber-67294.herokuapp.com/>

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, Nodemon, Sequelize, Yahoo Finance.

Workout Tracker | HTML, CSS, JavaScript, NoSQL

<https://github.com/gulpinhenry/workout-tracker> | <https://workout-tracker-henrykam.herokuapp.com/>

Implemented a mini workout tracker web application that creates and tracks workouts. Built with MongoDB, Node.js, Express.js, Mongoose, Chart.js.

WORK EXPERIENCE

Research Intern

Jan. 2020 - Present

Computational Materials Research Lab | San Jose State University, CA

- 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 | 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 AND CERTIFICATIONS

Bachelor of Science in Computer Engineering | New York University

Expected May 2025

Certificate in Full Stack Web Development | University of California, Berkeley

Expected Dec. 2021

Neural Networks and Deep Learning | deeplearning.ai (Coursera)

Jun. 2020