Jonathan Young-jin Kim

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LinkedIn: https://www.linkedin.com/in/jonathan-kim-135a7070/
Portfolio: https://jonathankim424.github.io/portfolio-and-resume/

Summary

Detailed oriented, highly motivated full stack developer with a web development certificate from UT Austin. Background in mechanical engineering with over 4 years of experience in the automotive industry. Passionate about programming innovative solutions and developing unique apps that progress new technologies in a continually evolving industry with strong leadership and communication skills. Excited to use my skills and leverage my background with an agile team to build impactful websites and apps.

Technical Skills

Software/Platforms: GitHub, Bootstrap, MySQL, MongoDB, VS Code
Software Languages: HTML, CSS, JavaScript, Sequelize, Mongoose

Projects

Maecenas-Devs | https://github.com/JonathanKim424/Maecenas-Devs
Link to App: https://gentle-citadel-11319.herokuapp.com/
- *Summary*: Online platform where alumni of boot camp programs, who are now industry professionals, can provide mentorship to aspiring developers.
- *Core Responsibilities*: Developed backend database system for handling users, creators, and comments, as well as integration of data into front-end.
- *Tools/Languages*: HTML, CSS, JavaScript, ReactJS, Bootstrap, MongoDB, Mongoose, Apollo Server, GraphQL

Books of Alexandria | https://github.com/JonathanKim424/books-of-alexandria
Link to App: https://cryptic-taiga-66100.herokuapp.com/
- *Summary*: An interactive website that allows customers to view and purchase books.
- *Core Responsibilities*: Created backend database to handle users and book data as well as developed front-end handlebars to present books to corresponding users.
- *Tools/Languages*: Handlebars.js, CSS, Express.js, Sequelize, MySQL, Darkmode.js

Feels Like Films | https://github.com/JonathanKim424/Group-Project-1
Link to App: https://jonathankim424.github.io/Group-Project-1/
- *Summary*: A web application that allows users to get movie recommendations based on the current weather of a city.
- *Core Responsibilities*: Integrated front-end rendering of movie titles conditionally based on user input for city, utilizing the IMDB API, as well as weather data provided from the Open Weather Map API.
- *Tools/Languages*: HTML, CSS, JavaScript, Materialize, Moment.js, Open Weather Map API, IMDB API, Creative Fabrica

Experience

General Motors – Lead Development Engineer
2018 – 2021
Created and supported best practice test procedures for emerging engine technologies. Communicated test plan and data in simple concise presentations with management. Improved test matrices and leveraged virtualization to reduce test timing by up to 20%. Executed tests to conform to internal and government required certification.
Key Accomplishments:
- Lead development testing across L3T and L3B engine platforms
- Created new tools to optimize post-processing of data, to allow easy and visually appealing representation for reports

General Motors – Validation Engineer
2017 – 2018
Created and executed engine hardware validation test plans. Worked with a cross-functional team to rapidly create and present failure reports before various management groups. Performed data and failure analysis.
Key Accomplishments:
- Overhauled Start/Stop hardware durability testing lab, worked extensively with test software to improve UI and functionality, improving test efficiency by 15%

Education

Program Certificate: UT Austin Coding Bootcamp
Graduated July 14, 2022
A 24-week intensive program focused on gaining skills in full stack development.

Bachelor of Science, Mechanical Engineering
The University of Texas at El Paso, Graduated 2016
GPA: 3.72

Studied Bachelor of Science, Aerospace Engineering
Cockrell School of Engineering
The University of Texas at Austin, 2010-2014