



CONTACT

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LinkedIn

Github

SUMMARY

I'm a former hardware engineer turned full stack software engineer proficient in JavaScript, JSX, HTML, and CSS. I made the change from hardware engineering to software engineering when I reignited my passion for coding by learning new languages and learning how to create my own game engine in my spare time. I pride myself on writing clean, scalable code, building and improving products and tools that enhance user experiences, and solving complex business problems.

SKILLS

FRONT END:

React, React Hooks, HTML5, CSS3, jQuery, JSX

BACK END:

JavaScript, Express, Node.js, PostgreSQL, Unit Testing w/Mocha and Chai, Knex

OTHER:

C, Python, Git/Github, Heroku, JIRA/Confluence, Matlab, XML, Photography, Videography, Photoshop

JONATHAN NGUYEN

FULL STACK WEB DEVELOPER

EXPERIENCE

Texas Instruments | Santa Clara, CA | September 2017 to March 2021 Applications Engineer

- Created testing hardware and scripts to help automate testing on dozens of parts.
- Worked and maintained strong relationships with big clients such as Apple, Tesla, GE, and Waymo to integrate ICs (Integrated Circuits) into their new line of products
- Supported development of full product life cycle from initial concept planning to RTM (Release to Market) and post launch support
- Moderated Engineer to Engineer (E2E) forums for appropriate content, as well as answered technical questions
- Developed tech notes and videos as marketing material for customers to educate them on general applications and end equipment the ICs can be used for

PROJECTS

WeLoveMovies | Demo | Github

Full-stack application that stores information on movies, theatres, and review scores

- Built with JavaScript, React, Express, Knex, SQL
- Created CRUD functions to update resources on movies, theatres, and critics
- Built routes to send back appropriate resources and data based on url

Flashcards App | Demo | Github

Full-stack app that allows users to create decks of flash cards to help study

- Built with JavaScript, React, React Hooks (useState, useEffect), HTML, and CSS
- Created functions to retrieve, add, edit, and delete data from an API
- Designed front end to display application in an organized manner

Pomodoro Timer | Demo | Github

Front end app that acts as a pomodoro timer

- Built with JavaScript, React, React Hooks (useState), HTML, and CSS
- Created front end functions that allows the user inputs for the app
- Developed front end functions to display an intuitive progress bar

EDUCATION

Thinkful Coding Bootcamp: Engineering Immersion | Online September 2021 – Feb 2022

- Full time bootcamp program teaching full stack web development, focusing on building skills with JavaScript, HTML/CSS, React, unit testing, and data structure algorithms

Virginia Tech College of Engineering| Blacksburg, VA | 2013-2017

- Bachelor of Science: Electrical Engineering
- GPA: 3.2