

Ken Nguyen

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Summary

I am currently a software engineer working on a Data Display & Control team for an aerospace project. Having an interest rooted in SaaS products and a background in web, iOS, and Android development, I am keen on transitioning into a fullstack web or mobile developer position.

Education

University of California - San Diego
Bachelor's, Computer Science

August 2022

Professional Experience

Northrop Grumman

Associate Software Engineer

Melbourne, FL, USA

October 2023 - Present

- Implemented flight widget components which displayed fault messages to screen
- Modified python scripts which automated the processing and conversion of raw fault equations into usable fault equations
- Ported over and tailored code for flight systems such as vehicle health, takeoff, status, and landing
- Spearheaded design story for a contingency plan in the event of a loss of communications between two vehicle subsystems
- Thorough use of Atlassian suite (Jira, Bitbucket, Confluence, Bamboo, Fisheye) for design, development, and testing of product

C2 Education

Computer Science Tutor

Torrance, CA, USA

December 2022 - April 2023

- Guided students through the fundamentals of computer science
- Progressed into object-oriented programming and the reason behind data abstraction into classes
- Corresponded with center director, student, and parents to design personalized lesson plans

Projects

League Nemesis

Sole Developer

- React app displaying the League Nemesis of a player for the game League of Legends
- Storage and caching of data using Mongoose & MongoDB
- Shieldbow.js used as a Riot Games API wrapper for simplified data fetching
- Node.js used for server side development
- Express.js used as a backend framework to create API routes
- Endpoint testing with Postman
- MaterialUI used as a component library for UI

San Diego Zoo Navigation App

Developer

- Android navigation app for the San Diego Zoo
- Development was done in Java using Android Studios
- Code blueprinted by S.O.L.I.D. software design principles
- Took charge of scrums by coordinating meetings, setting up agendas, and facilitating planning poker

Skills

React, JavaScript, Node.js, Express.js, MongoDB, REST APIs, iOS/Swift, Python, Git, C/C++

Portfolio

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