

# Ken Nguyen

Associate Software Engineer

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[LinkedIn](#) | [Github](#) | [Website](#)

## BIO

Currently a software engineer working on a Data Display & Control codebase for an aerospace project. Having a personal interest in SaaS products and a background in web, iOS, and Android development, I am keen on transitioning into a full-stack web or mobile developer.

## EDUCATION

University of California, San Diego '22  
**B.S. Math-Computer Science**  
**Minor Economics**

## TECH SKILLS

MongoDB	C/C++	Git
Express	Python	Bash
React	Swift	Jira
NodeJS	Typescript	Figma

## SOFT SKILLS

Hyper organized	Active listener
Attentive to detail	Proactive communicator
Independent learner	Team player

## PROFESSIONAL EXPERIENCE

### Northrop Grumman

Oct 2023 - Present

#### Associate Software Engineer

- Contributed to the development of a multi-layered menuing interface for a Data Display & Control (DDC) product
- Wrote code to manage flight systems such as vehicle health, takeoff, and landing
- Designed contingency plan in the event of a loss of connection between multiple safety critical systems
- Thorough use of Atlassian suite (Jira, Bitbucket, Confluence, Bamboo, Fisheye) for design, development, and testing of product

### C2 Education

Dec 2022 - April 2023

#### Computer Science Tutor

- 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

## PERSONAL DEVELOPMENT

### League Nemesis

#### React, Express, MongoDB, NodeJS

- React app displaying the *League Nemesis* of a player on the game *League of Legends*
- Storage and caching of data using Mongoose & MongoDB, with testing of HTML requests using Postman
- NodeJS used for backend development and ExpressJS for middleware and backend data flow
- Shieldbow.js used as a Riot Games API wrapper for simple and optimized data fetching
- TanStack query used for fetching data from backend
- Chakra UI used as a component library for styling frontend

### San Diego Zoo Navigation App [Demo](#)

#### Android, Java, SQLite, Google Maps API

- 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
- SQLite used for local storage
- Zenhub was used for sprint planning, velocity tracking, and the burndown chart
- Git used for version control & Github as a repo and integration testing