

# Kenneth Nguyen

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## EDUCATION

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University of California, Santa Cruz

Present - Expected March 2021

B.S. Computer Science

- Undergraduate coursework: Analysis of Algorithms, Data Structures & Algorithms, Comparative Programming Language, Advanced Programming in C++, Computer Architecture, Computer Systems Design, Web Applications

## SKILLS

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- **Languages:** JavaScript, HTML/CSS, Java, Python, C/C++, SQL
- **Frameworks:** React, Express, Node.js, Bootstrap, Material-UI, Jest
- **Project Management:** Git, Scrum, Coda/Notion
- **Package Managers:** NPM, Webpack
- **Editors:** Microsoft Visual Studio Code, CodeSandbox
- **Operating System:** Linux, Windows

## WORK EXPERIENCE

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Zero Degree Project

June 2020 – August 2020

Platform Developer

Santa Cruz, CA | Remote

- Planned with a team an online global platform to raise awareness about limiting global warming below 1.5°C, provide tools for users to receive analytic feedback about their financial spending, and how it impacts the climate's temperature
- Re-designed and developed the homepage layout of the platform to be more UI-friendly and attractive to high schoolers
- Improved accessibility by a rating of 6% from 83% to 89% as analyzed using Google Lighthouse
- Defined goals for the duration of internship using Scrum methodology with the technical team and program manager

## PROJECTS

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COVID-19 Tracker in United States - [Demo Link](#) | [GitHub Link](#)

- Developed a COVID-19 tracking web app that displays the current total number of positive, recovered, and death cases in the United States as well as a line chart that shows the daily data change over time
- Used Chart.js library to create a pie chart and line graph of data requested from COVID Tracking API routes
- Dynamically render data upon a new state selected using modern React Hooks to reflect new statistics instantaneously
- Utilized: React, Material-UI, Chart.js, CSS, JavaScript, COVID Tracking Project API

Reddit /r/frugalmalefashion Deal Scraper - [GitHub Link](#)

- Developed a script that scrapes the subreddit 'frugalmalefashion' for new or hot deals and sends the specified user a private message containing the desired amount of deals specified
- Included customizations for users cloning the project for their personal use such as the amount of posts scraped and sent, optional periodic interval for the script to run, and for PRAW to retrieve posts by hot/new/top
- Utilized: Python3, PRAW (Python Reddit API Wrapper)

Notes App - [GitHub Link](#)

- Created a CRUD full-stack web application where users can add, view, update, delete, and customize their own notes
- Feature for starring a note if it is important, making starred notes listed before non-starred notes using SQL query
- Utilized: Py4Web, Python3, SQLite from DAL connection, Vue.js, JavaScript, Bulma

Personal Website - [Website Link](#) | [GitHub Link](#)

- Content of website and sections are created using JavaScript DOM manipulation and CSS styling
- Used webpack to bundle multiple scripts that handled the DOM display of page sections for code splitting
- Utilized: HTML5, CSS3, JavaScript ES6, Webpack