
Nicholas Vanny

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EXPERIENCE

Triton Software Engineering, La Jolla, CA - *Developer*

October 2019 - Present

TSE is a pro-bono computer science organization at UCSD that helps non-profits by developing software services

- Developed and deployed one website and working on a backend tool on a team with five other developers
- Collaborated with UI/UX designers and our clientele by attending meetings and discussing possible features
- Assisted project manager with setting up team meetings and organizing team bonding events

EDUCATION

University of California - San Diego, La Jolla, CA - *Bachelor's in Computer Science + Business Minor*

September 2019 - December 2022 (Expected)

Current GPA: 3.93 / 4.00

Relevant Courses: Intro to OOP, Intro to Discrete Mathematics, Basic Data Structures & OO Design, Software Techniques, Math for Algorithms & Systems, Computer Organization Programming, Accounting, Marketing, Enterprise Finance

PROJECTS

College Shark - <http://www.college-shark.com/> (Python, React, JS, CSS, HTML)

- Helped lead team to develop a full-stack website which assists in the college application process by compiling college information in an easily accessible and organized manner for the user to view, currently at 220+ users
- Hosted a SQL database on Azure for the college information, noSQL Firebase Database for users' information
- Developed API from scratch using Python Flask, which was used to communicate with our servers
- Led frontend team, developed with ReactJS + HTML, CSS, Bootstrap, and integrated Google Maps API

Dynamics Performance Team (TSE) - <https://dynamicsperformanceteam.com/#/> (React, JS, CSS, HTML)

- Developed a dynamic front-end website for the Dynamics Performance Team and increased recognition (visits) by 80% and support by 125%
- Utilized React to build the website, with HTML and CSS used to design the website to fit the requests of the client
- Implemented a PayPal API for donations and a Mailchimp function to subscribe users to a newsletter

College Football Stats - (Python)

- Created a project to compile college football statistics of 500+ players into a mutable data frame via web scraping
- Implemented Pandas to create the data frame, BeautifulSoup to parse the info, and urllib to get the url
- Aim to use the statistics to supply info to a machine-learning, matchup predicting model in the future

TSE Recruitment Tool - (React, Express, Node.js)

- Developed a primarily back-end application to streamline the application process to TSE
- Utilized the Express.js framework and REST API to connect the back-end and front-end
- Hosted the users' information on MongoDB, as well as implemented a cookie and token system to verify admins

SKILLS

Language & Platforms: Java (Expert) | React, HTML, CSS, Javascript, Python, Git (Proficient) | Flask, Express, C++ (Limited)

Databases & Technologies: SQL, NoSQL | Azure, Firebase, MongoDB | Linux, Windows, MacOS