Neil Marcellini

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Experience
Full Stack Software Engineer (Remote) at Racing Alpha, April 2020 - Present
   Racing Alpha is a web app for analyzing sailing GPS tracks to improve racing performance.
- Created an algorithm to segment a track into straight line sailing, capsizes, and the various types of sailing maneuvers.
- Standardized the process for adding speed over ground and course over ground for various GPS track file types.
- Collaborated with the owner to identify and develop new, valuable features.

Technologies: (Python, Django, Javascript, Vue, HTML, Sass, git)
Reference: willie@mcbrideracing.com

Front-End Software Engineer (Remote) at Fitdigits, 5/26/2020 - 7/30/2020
   Fitdigits is a fitness platform with a web app and mobile apps such as iCardio and iRunner
- Upgraded old Angular.js web pages to Angular
- Modernized the design and user experience with Angular Material UI.
- Suggested and implemented a new system for localization using ngx-translate and added localization to numerous pages.

Technologies: (Typescript, Angular, Javascript, Angular.js, HTML, CSS, git)
Reference: cmeans@fitdigits.com

Computer Science Tutor at CSUCI Computer Science Tutoring Center, February 2018 - Present
   Provides a space for CS students to get help on assignments, to ask questions, and to do focused work.
- Answered peer questions.
- Guided students through programming projects.
- Explained concepts on the whiteboard.

Technologies: (C, Java, Python, SQL, git)
Reference: nick.dolan.stern@gmail.com

Education
Bachelor of Science in Computer Science, Minor in Mathematics - May 2021
California State University Channel Islands, Camarillo, CA (3.9 GPA)

Projects
Ideate
Ideate is a web app for users to share and iterate on their ideas.
Technologies: (React, Redux, Material UI, Node, Express, JWT, MySQL, Heroku, S3, ClearDB)

AMEL (Arial Mission Event Log)
AMEL is an app for fighter pilots in training to record events while they fly using a screen of customizable buttons.
Technologies: (Swift, SwiftUI, Core Data, Core Location, git)

Awards
Semester Honors, CSU Channel Islands (Fall 2017 - Present)
U.S Youth Sailing Championship 2017, 1st place 29er - Corpus Christi, TX
World Sailing Youth Championship 2017, 7th place 29er - Sanya, China