**Experience**

Full Stack Software Engineer (Remote) at [Racing Alpha](https://racingalpha.com), 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](mailto:willie@mcbrideracing.com)

Front-End Software Engineer (Remote) at [Fitdigits](https://my.fitdigits.com/), 5/26/2020 - 7/30/2020

Fitdigits is a fitness platform with a web app and mobile apps such as [iCardio](https://apps.apple.com/us/app/icardio-workout-tracker/id314841648) and [iRunner](https://apps.apple.com/us/app/irunner-run-jog-tracker/id304074554)

* 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](mailto: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](mailto: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](https://ideate-demo-app.herokuapp.com/)

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](https://apps.apple.com/us/app/amel/id1528396419) (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