

RENEE HAMMONS

Software Engineer

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I'm a self-taught, enthusiastic, collaborative, and hard-working programmer who has a degree in biology. I'm seeking a position as a front-end or full-stack software engineer where I can apply and develop my skills in engineering.

TECHNICAL SKILLS

Programming Languages: Fluent in JavaScript, CSS3, HTML5, and Java. Familiar with C. Eager to learn many more languages and tools.

Libraries, Frameworks, and Tools: React, jQuery, Bootstrap, Git and GitHub, Unit Testing, REST APIs, Adobe Photoshop

EDUCATION

B.S. in General Biology | University of California, San Diego | June 2020 | 3.629 GPA

Relevant Coursework: Data Structures & OO Design, Intro to Computer Science & OO: Java, Intro to Programming: C

SOFTWARE ENGINEERING EXPERIENCE & PROJECTS

Programming and STEM Tutor | Private Family | NYC | Oct 2020 – Oct 2021

- Worked closely with a 14 year old to enhance her programming, algorithmic thinking, and problem-solving skills in JavaScript, CSS and HTML.
- Created lessons and practice problems, and reviewed projects to help her succeed in her John Hopkin's CTY programming courses.
- Collaborated with another tutor and prepped study materials for the family's 3 children in their respective Math, Science, English, History, and extracurricular courses.

Portfolio Website Project | reenehammons.com

- Built my portfolio website with React-JS, and utilized styled components and bootstrap to create a responsive website that works on all devices.
- Incorporated a demo of my Task Organizer App into the portfolio section of the site by using local storage.

Task Organizer Project | github.com/reenehammons/TaskOrganizer

- Built an app that organizes the user's upcoming tasks by taking in information such as the task name and the date/time of when it needs to be completed. The app sorts the tasks in chronological order of the date and time. Made with React-JS and JSON server.

RELEVANT WORK EXPERIENCE

Biomedical Research and Lab Assistant | UCSD School of Medicine, Dennis Lab | Sept 2016 – June 2020

- Published author on a collaborative research project that predicted and analyzed inhibitory ligands against Group VI Ca^{2+} Independent Phospholipase A_2 by virtually and experimentally screening compounds from various databases. Utilized Schrodinger's molecular modelling software, Maestro, to virtually screen various drug targets. Link to paper: <https://www.sciencedirect.com/science/article/abs/pii/S2212492620300300>
- Transformed and designed the LIPID MAPS Lipodomics Core's website using google sites. www.ucsd-lipidmaps.org
- Mentored and trained new lab hires to perform experiments and maintain the lab.
- Communicated and collaborated with research staff for various experiments.
- Performed extractions, protein assays, protein purification, and gel electrophoresis.
- Maintained lab supply stocks, organized lab supplies, and autoclaved tips and dishware.