

Sergio Robledo

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Education

University of Houston – B.S. Computer Science

Dec 2021

- Graduated with *Cum Laude Honors* (GPA: 3.66)
- Minored in Mathematics (GPA: 3.76)

Skills

- | | | | |
|--------------|-------------|-----------------|-------------|
| • JavaScript | • CSS | • Git | • MongoDB |
| • React.js | • SCSS | • C++ | • Tableau |
| • Node.js | • Bootstrap | • R-Programming | • Fluent in |
| • HTML | • Python | • MySQL | Spanish |

Projects

Visualizing a Phylogenetic Tree

- Devised a program responsible for traversing molecular data from a cancer genome
- Utilized Python and Java so the code can manipulate and analyze cancer data to yield an annotated figure
- Automated the process necessary to create a publishable figure for research papers

Personal Portfolio

- Built a responsive website with Node.js, HTML, CSS, and JavaScript
- The webpage is used to display past experiences, a small biography, and current skills

MLB.com Clone Web App

- Constructed a clone of MLB.com using functional components, react hooks, HTML and CSS
- The project served as practice for front end engineering and React.js

CodeRed Hackathon Website

- Managed a responsive website with Node.js, HTML and SCSS
- Programmed Past Sponsor section, Schedule section and websites footer
- Advised in the creation of What is CodeRed section and Team section

Restaurant Reservation Web App

- Formulated a restaurant reservation system as a member of a four-person team
- Assembled the UI employing React.js, HTML and CSS and Node.js and MySQL to implement the backend
- Completed the applications log in system, new user system and home page

Fuel Quote Web App

- Built a fuel quote system while working as a group for a course project
- Handled the front end by implementing HTML and SCSS while operating Flask.py and MongoDB for the backend
- Devised the links to the database, the application routes and produced unit tests

Experience

HEB – Cashier, Houston, TX

Nov 2019 – Present

- Handled cash, credit, and check payments
- Provided customer service to over 100 customers per day
- Communicated with teammates and clients to handle transactions in under a minute
- Demonstrated flexibility by working in a variety of departments when needed

Rice University – Research Assistant, Houston, TX

May 2021 – Aug 2021

- Performed research on Cancer Phylogenetics
- Engineered an algorithm tasked with traversing molecular data and producing a figure of a cancer phylogeny
- Attended weekly tech talks by Rice University staff and Google engineers on various Data Science topics

Volunteer Experience

CodeRed Hackathon, Web Development Officer

June 2021 – Dec 2021

- Collaborated with a team to coordinate one of Houston largest Hackathons
- Maintained the CodeRed website while working in a two-person team

Computer Science Peer Mentor, Member

Jan 2021 – Dec 2021

- Arranged weekly office hours for students struggling with introductory and intermediate computer science courses
- Mentored 10+ students in algorithms, data structures, computer science theories and helped debug code