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https://abbidevinssuresh.com/

Abbi Devins-Suresh, M.D.

Education

Oregon State University – *Post-baccalaureate in Computer Science (in progress, expected B.S. Spring 2020) GPA: 3.91* — June 2018 - Present

Udacity – *Front End Web Developer Nanodegree* — October 2018

Google Udacity Front-End Challenge Scholarship — April 2018

University of Vermont College of Medicine – *Doctor of Medicine, M.D.* — May 2018

Bowdoin College – *cum laude in Neuroscience, B.A.* — May 2012

Technical Skills

Languages: JavaScript, ES6, Ruby, Bash, C, C++, Python, HTML5, CSS3.
Frameworks and Libraries: jQuery, React.js, Bootstrap, Jasmine, Express.js, Ruby on Rails, Py-ART.
Other: Git and GitHub, MySQL, PostgreSQL, Docker, Adobe Photoshop, IntelliJ, Responsive CSS [Flexbox, Media Queries], Webpack, Jupyter, AWS.

Work Experience

Oregon State University – Corvallis, OR — September 2019 – Present
Teaching Assistant for Computer Architecture and Assembly

- Assist with grading projects student submit
- Answer questions students have on online forum
- Hold office hours to help students through difficult topics

National Center for Atmospheric Research – Boulder, CO — May 2019 – August 2019
Software Engineering Intern, Earth Observing Laboratory

- Developed an interactive leaflet JS based heatmap that visualized large NetCDF files containing radar data within a Ruby on Rails application
- Created a requirements and specifications document relevant to creating an application to visualize radar data on a map
- Utilized Python Py-ART libraries and PostgreSQL to process incoming real-time NetCDF (radar) data
- Attended professional development workshops including leadership, team building and diversity training
- Attended and participated in an IS-GEO conference (Intelligent Systems for the Geo Sciences) with field trips to Spark Fun to build Arduino, Particle.io and Raspberry Pi based prototypes to solve geoscience problems.
- Helped improve documentation and started the integration process of above visualization project with the overall CHORDS (Cloud-Hosted Real-Time Data Services) project [https://github.com/earthcubeprojects-chords]

University of Vermont Medical Center – Burlington, VT April 2018 – June 2019

Web Development Contractor

- Completed initial development of a HTML5, CSS3 and JS based website of a clinical psychiatry interactive multimedia slideshow for use by medical students to learn clinical psychiatry skills
- Used research from senior year of medical school, on user experience and learning outcomes, to guide development of content and interactive elements.

Project Experience

Portfolio Website - https://abbidevinssuresh.com/ May 2019

- Responsive, single-page application built with HTML5, CSS3 and JS (Express JS and Handlebars JS)
- Utilizes Flex-box CSS and media queries to attain responsiveness
- Built a contact form

Book Tracking Webpage - https://abisuresh.github.io/reactnd-project-myreads-starter/ June 2018

- Project that translated a static webpage of 3 bookshelves of books that you have read, want to read and are currently reading into a dynamic React webpage. Udacity provided the images and API data for the books.
- Developed a search query that filters books as user types in characters
- Utilized React Router to emulate backspace functionality between main page and search page

Responsive Website – https://wedding.devinssuresh.com/ November 2017

- Created wedding website utilizing HTML5, CSS3 and JS (with jQuery)
- Developed an end-product that was mobile, tablet and desktop responsive

Presentations

Devins-Suresh, A., et al. Exploration of different techniques to map and visualize radar image data in the geosciences using CHORDS (Cloud Hosted Real-time Data Services). 2019.