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Abbi Devins-Suresh, M.D.

Objective: I am a Software Engineer that is seeking a highly collaborative team working in Python, C# or Java. I would strongly prefer a position that would allow me to develop skills relevant to AI, Machine Learning and Data Science.

Education

Coursera: University of Washington – <i>Certificate course in Computational Neuroscience (Expected completion January 2021)</i>	November - Present
Oregon State University – <i>Post-baccalaureate in Computer Science, B.S. GPA: 3.91</i>	June 2018 – June 2020
Udacity – <i>Front End Web Developer Nanodegree</i>	October 2018
<i>Google Udacity Front-End Challenge Scholarship</i>	April 2018
University of Vermont College of Medicine – <i>Doctor of Medicine, M.D.</i>	May 2018
Bowdoin College – <i>cum laude in Neuroscience, B.A.</i>	May 2012

Technical Skills

Languages: C#, Python, JavaScript, Ruby, C++, HTML5, CSS3.

Frameworks and Libraries: ASP.NET, React.js, Bootstrap, Express.js, Ruby on Rails, Py-ART.

Other: Git and GitHub, MSSQL, T-SQL, PostgreSQL, Docker, Adobe Photoshop, IntelliJ, Responsive CSS [Flexbox, Media Queries], Jupyter, AWS, Azure Service Fabric, Visual Studio, IIS.

Work Experience

Garmin International – Yarmouth, ME (Headquarters: Olathe, KS) <i>Software Engineer 1</i>	June 2020 – Present
<ul style="list-style-type: none">• Use C# and SQL to address bugs, and modify application configuration within our billing service• Work with the Technical Lead on my team to help improve automation of developer process using PowerShell scripts, Chocolatey and Docker• On-call once a quarter 24/7• Worked on initial integration with our new payment processing vendor. Developed integration tests to validate.	
<i>Software Engineering Intern</i>	January – May 2020
<ul style="list-style-type: none">• Worked on bugfix tickets and briefly on a feature• Utilized Jira, TeamCity, Bitbucket, Atlassian Stash, SourceTree, Octopus and Visual Studio while working	
National Center for Atmospheric Research – Boulder, CO <i>Software Engineering Intern, Earth Observing Laboratory</i>	May – August 2019
<ul style="list-style-type: none">• 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 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

- Helped develop a HTML5, CSS 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.