

School Address:

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VANDANA ANAND

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Permanent Address:

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OBJECTIVE:

Full-time opportunity in Data Science and Analytics, Business Intelligence, Project Management, or UI/UX Design.

EDUCATION:

Worcester Polytechnic Institute (WPI), Worcester, MA

Bachelor of Science with Distinction in Computer Science, GPA 3.64/4.00, May 2020

Master of Science in Data Science, GPA 4.00/4.00, December 2020

Relevant Courses: Machine Learning, Data Science for Statistical Methods, Human-Computer Interaction, Webware, Project Management, Data Mining for Business Applications

SKILLS:

Operating Systems: Mac OS X, Windows, Linux, iOS, Android

Computer: Adobe (Photoshop, XD), Invision, Balsamiq, Microsoft (Word, Excel, PowerPoint, Outlook), Elasticsearch/Kibana, D3, VegaLite, Tableau, A/B Testing

Programming Languages: Python (NumPy, Pandas, Matplotlib, Plotly, Seaborn, Scikit-learn), Java, MATLAB, MySQL/SQL, HTML/CSS, JavaScript, AngularJS

PROJECTS:

Interactive Qualifying Project (WPI) – Data Management, March – October 2018

University Hospital of Zurich (USZ) in Zurich, Switzerland

Developed two main deliverables to recommend proper data management storage procedures for researchers working with medical research data at USZ: a file naming software application using Java and a set of written guidelines. The application is aimed to generate standardized file names that include parameters such as the date, experiment name, and additional keyword descriptors. The guidelines are focused on providing detailed information for good data management practices on topics such as file structure organization, transferring, and storing. Created user interface mockups for the software program, conducted interviews with current researchers to collect user experience data, and presented demos.

Human-Computer Interaction Projects (WPI), March – May 2018

Participated in six team projects focused on providing the best user experience through various software. Learned many important UI/UX design principles and applied the design process.

Created a GitHub website to host these projects: <https://vanand23.github.io/HCI.Project.Page/>

EXPERIENCE:

Data Science Analyst Intern, Verizon, San Jose CA, June 2020 – Aug 2020

Contributed to the Software Defined Networking Planning Team as a Data Science Analyst.

Built an automated tool in Python to monitor third-party transceivers and their vendor performances. Since these transceivers are less expensive, the purpose is to see if they will perform optimally and be able to potentially save on costs. Developed test cases and tested transceiver performance in various network traffic environments. Performed quality assurance on the data and reported data anomalies to vendors who then issued an update to fix abnormal values. Collected and processed network data using Python libraries such as NumPy and Pandas to extract useful insights. Created user-friendly dashboards to visualize and monitor real-time activity of transceivers and vendors. Presented the project to senior leadership.

Software Engineering Intern, Dell EMC, Hopkinton MA, May 2019 – Aug 2019

Worked on the Test Automation Enablement team in the Storage department as a Full Stack Developer. Created a user interface that allows quality analysts to build testcases and download an XML file containing the testcase data to execute through an existing automatos framework.

Went through the Software Development Lifecycle using SAFE Agile methodologies to gather and analyze requirements, design a user interface mockup and database, interview users to incorporate their feedback in the final sketch of the product, and implement the website. Monitored and managed the project through JIRA and provided documentation on confluence.

Data Science Intern, Fidelity Investments, Boston MA, May 2018 – Aug 2018

Joined the Direct Data Team in Asset Management to work on a data extraction tool using python for collecting Google Trends data in an Agile environment. Applied data visualization and data science techniques to display the information through color-coded line graphs that would be helpful to researchers and analysts. Created an API using flask and gunicorn to serve the data on a website through the Linux server. This program was used to generate data for two research notes that have been published to predict the future of specific stocks.

Software Engineering Intern, Fidelity Investments, Merrimack NH, May 2017 – Aug 2017

Collaborated with the Risk Team in Brokerage Technology on various applications. Worked on projects such as the Team Ribbit Site to develop a centralized and easily accessible location for all documents/links associated with the Risk Team using HTML/CSS. Worked on the Write Once Read Multiple times project by creating a tool in Java to store customer data in a PDF, which is put in a web service and configured with Spring and Maven for authorized individuals to view as part of an important Risk application.

Service Desk Specialist, WPI, Worcester MA, September 2016 – May 2020

Filled, assigned, and solved tickets in the Information and Technology department. Provided customer service to WPI students and faculty to fix and download applications on phones and laptops. Received great customer reviews for my services.

Graduate Learning Assistant, WPI Math Department, August 2020 – Present

Mentor and tutor graduate math students to help reinforce concepts learned in class. Proctor exams or quizzes and grade those material, including homework.

LEADERSHIP:

Project Manager & Web Development, Global Labs at WPI, August 2020 – Present

Manage data visualization and research projects for the Global Lab website containing content and information about off campus global projects conducted via WPI. Create user friendly webpages to showcase information meaningfully.

Campus Ambassador, Dell EMC, August 2019 – May 2020

Created and lead events to stimulate interest among students at WPI and encourage them to apply to Dell EMC. Participated in the WPI Career Fair on behalf of Dell EMC and spoke with potential candidates about opportunities within the company. Collected and sent interested student's resumes to the University Relations team.

Engineering Ambassador, WPI, April 2017 – April 2018

Planned, lead, and presented at science, technology, engineering, and mathematics (STEM) events to engage middle and high school kids in the opportunities present in the STEM field.

Vice President of Student Welfare, South Asian Student Association, Feb. 2018 – Feb. 2019

Managed and lead various cultural events and fundraisers for both the undergraduate and graduate students at WPI. Collaborated with other cultural clubs on campus as well.

AWARDS:

Kronos Scholarship Recipient, Kronos, June 2019 & July 2020

Dean's List, WPI, January 2017 – May 2020