

# VANDANA ANAND

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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, December 2019  
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  
**Tools:** Adobe (Photoshop, XD), Invision, Balsamiq, Microsoft (Word, Excel, PowerPoint, Outlook), Elasticsearch/Kibana, D3, Vegalite, Tableau, A/B Testing, Trello, Jupyter Notebook  
**Programming Languages:** Python (NumPy, Pandas, Matplotlib, Plotly, Seaborn, Scikit-learn), Java, MATLAB, MySQL/SQL, HTML/CSS, JavaScript, AngularJS

**PROJECTS:** **Project Portfolio**

- Created a portfolio consisting of my experiences both in the technological industry and on campus, involvement in leadership activities, and various projects I completed in Data Science, the WPI project programs, and UI/UX design: <https://vanand23.github.io>

**Interactive Qualifying Project (WPI) – Data Management**, March – October 2018  
University Hospital of Zurich (USZ) in Zurich, Switzerland

- Developed a set of guidelines to recommend proper data management storage procedures for researchers working with medical research data at USZ and a file naming software application to generate standardized file names using Java.
- The application produces effective file names from user-entered parameters such as the date, experiment name, and additional keyword descriptors. The guidelines provide details on efficient file structure organization, transferring, and storing methods.
- Created user interface mockups for the software program, conducted interviews with current researchers to collect user experience data, and presented demos.

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

- Contributed to the Software Defined Networking Planning Team.
- Built an automated tool in Python to monitor less expensive third-party transceivers and their vendor performances to potentially save on costs. Presented to senior leadership.
- Developed test cases and tested transceiver performance in various network traffic environments. Collected, processed, visualized millions of performance attribute data using Python libraries (NumPy, Pandas) and Kibana dashboards to monitor real-time activity.
- Ensured quality of the data and reported data anomalies to vendors who issued an update to fix abnormal values.

**Full Stack Developer**, Dell EMC, Hopkinton MA, May 2019 – Aug 2019

- Worked on the Test Automation Enablement team in the Storage department within a group of three other interns.
- Created a user interface that allows quality analysts to build testcases and download an XML file containing testcase data to execute through an existing automatos framework. Went through the Software Development Lifecycle using SAFE Agile methodologies.
- Gathered and analyzed requirements, designed a user interface mockup and database, interviewed users to incorporate their feedback in product iterations, and implemented 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

- Developed a data extraction tool using Python to collect Google Trends data and assess its efficiency in predicting future stock trends. Research analysts published two research notes using the tool.
- Worked in an Agile environment. Applied data science and visualization techniques to display the data via Plotly.
- Created an API using Flask to create an accessible website as well as collect user parameters to display specific information and Unicorn to serve the data via Linux.

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

- Collaborated with the Risk Team in Brokerage Technology and worked with another intern.
- Designed the internal Team Ribbit Site using HTML/CSS to develop a user-friendly, centralized, easily accessible location for all documents & links associated with the team.
- Built a tool in Java to organize customer data from SQL in PDF form. Injected into a web service & configured with Spring & Maven for authorized individuals to view as part of an internal Risk application.
- Used Karma & Jasmine to write & execute unit tests in typescript & AngularJS 4.

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

- Filled, assigned, and solved technology support tickets from faculty, staff, and students for phones, laptops, and other devices.
- Provided customer service for issues such as malware removal, wireless setup, and downloading software applications.
- 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

- Using Trello to manage data visualization tasks, research projects, and the development of the Global Lab website containing content and information about off campus WPI projects.
- 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.
- 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 students in the opportunities available in the STEM field.
- Attended workshops to improve public speaking, presentation, and communication skills.

**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 to create more diverse experiences such as talent shows.

## AWARDS:

**Kronos Scholarship Recipient**, Kronos, June 2019 & July 2020

**Earl C. Hughes Scholarship**, WPI, September 2016 – May 2020

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