



## BS in Computer Science

## MS in Data Science

## WPI Class of 2020

Hello, I'm Vandana and welcome to my portfolio website! I am pursuing a BS/MS degree at Worcester Polytechnic Institute in Computer Science and Data Science. I have taken many technical and business courses while having the opportunity to learn many skills along the way. I am passionate about the combination of the technology and business fields, particularly taking interest in Data Analytics as well as User Interface and User Experience design!

**My hobbies include:** Traveling, Baking, Badminton, A Cappella

**Fun fact:** I have been to 11 countries so far!

## Contact Me

Email: [vanand@wpi.edu](mailto:vanand@wpi.edu)

LinkedIn: [Vandana's LinkedIn Page](#)

GitHub: [Vandana's GitHub](#)

## Courses

### Computer Science Undergraduate Degree

- [CS 1101 - Introduction to Programming in Racket](#)
- [CS 2102 - Introduction to Object Oriented Programming in Java](#)
- [CS 2303 - Systems Programming in C/C++](#)
- [CS 2011 - Introduction to Machine & Assembly Language in C/C++](#)
- [CS 2022 - Discrete Mathematics](#)
- [CS 2223 - Algorithms in Python](#)
- [CS 3013 - Operating Systems in C](#)
- [CS 3043 - Social Implications](#)
- [CS 3041 - Human Computer Interaction I Portfolio](#)
- [CS 4801 - Introduction to Cryptography & Communication Security](#)
- [CS 4033 - Numerical Methods for Calculus & Differential Equations in Matlab](#) \*
- [CS 4032 - Numerical Methods for Linear & Nonlinear Systems in Matlab](#) \*
- [CS 3133 - Foundations of Computer Science](#)
- [CS 453X - Machine Learning in Python](#) \*
- [CS 4241 - Webware](#)

### Data Science Graduate Degree

- [DS501 Intro to Data Science - Python](#)
- [DS502 Statistical Methods for Data Science - R](#)
- [DS598 Graduate Qualifying Project](#)
- [DS5900 Verizon Internship](#)
- [FIN500 Financial Information & Management](#)
- [MKT568 Data Mining Business Applications - IBM Modeler/Rapidminer](#)
- [MIS571 Database Applications Development - SQL/Java](#)
- [MIS576 Project Management](#)
- [MIS585 User Experience Design](#)

\* = double counted courses for Master's in DS

## Skills

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

**Computer:** Adobe (Photoshop, XD), Invision, Balsamiq, Microsoft (Word, Excel, PowerPoint, Outlook)

**Other:** Agile/SAFE Methodologies, Project Management

**Programming Languages & Experience Level:**

- **Python** = Proficient
- **Java** = Proficient
- **HTML/CSS** = Proficient
- **MATLAB** = Proficient
- **SQL/mysql** = Proficient
- **Angular** = Intermediate
- **C/C++** = Intermediate
- **Javascript** = Novice
- **Unit Testing** = Novice

## Corporate Experiences

### **Data Science Analyst Intern at Verizon (San Jose, CA) - Summer 2020**

- 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.

### **Data Science Intern at Fidelity Investments (Boston, MA) - Summer 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

### **Software Engineering Intern at Dell EMC (Hopkinton, MA) - Summer 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, interview users to incorporate their feedback in the final sketch of the product, and implement the website.

### **Software Engineering Intern at Fidelity Investments (Merrimack, NH) - Summer 2017**

- Collaborated with the Risk Team in Brokerage Technology on various applications.