

JAGJEET T. WANI

jwani@umich.edu | 248-982-8969 | jagtwani.com

EDUCATION

University of Michigan College of Engineering | Computer Science, BSE

Ann Arbor, MI

University of Michigan Stephen M. Ross School of Business | Business Administration, BBA

April, 2022

GPA: 3.83/4.00

Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Differential Equations, Business Analytics & Statistics, Computer Architecture, Human-Centered Software Design

PROFESSIONAL EXPERIENCE

JP Morgan Chase & Co. – Machine Learning Intern (Jan 2020 – Present)

Chicago, IL

- Automated customer service of Wholesale Loan Services (WLS) by developing a chatbot that improved efficiency of staff by 10%. Using the Natural Language Processing of the Amelia framework, the chatbot answers specific loan questions by dynamically accessing several internal databases and returning only requested information.
- Optimized internal training for employees by having the chatbot authenticate users and search Confluence pages to answer internal policy questions – received an average 7/10 accuracy rating through user interviews.

Rolls Royce Power Systems – Distribution Networks Intern (May 2019 – Aug 2019)

Novi, MI

- Interpreted purchasing data within RRPS's internal business portal and created data models within Radiant to communicate the key changes in distributor performance over time and within industry to distribution managers.
- Created and maintained an Excel database of Key Performance Indicators (KPIs) of distributors within the Americas, which was adopted by the management and used to evaluate distributor sales, growth, and overall success.

ESI North America – Mechanical Engineering Intern (June 2017 – Aug 2017)

Farmington Hills, MI

- Utilized and implemented formability analyses to determine the material grade of parts and optimize design through reductions in weight and cost of materials.

ACTIVITIES

MECC Consulting Group (Jan 2019 – Present)

Consultant (Jan 2019 – Jan 2020)

- Improved a venture capital firm's deal-matrix success rate by 10% using several computer models - decision tree, neural networks and a regression tree among others – in order to predict the success of a potential investment.

Project Advisor (Jan 2020 - Present)

- Performed marketing analysis for an influencer marketing platform company by scraping Google search results to determine search frequency, resulting in a better optimized website with higher rankings for 2 searches.

Anonymous - Multidisciplinary Design Program Team (Aug 2018 – Jan 2020)

- Developed an Android microblogging application, called *Anonymous*, that uses Bluetooth LE scan to incorporate a novel infrastructure-less communication technology to prevent censorship for college students in mainland China.
- Implemented a user-interface for the application that displays only relevant posts based on degrees of separation.

Private Tutor (May 2018 – Present)

- Taught for over 200+ hours to 18 students through online platforms such as Varsity Tutors and Wyzant Tutors in subjects including C++, ACT/SAT prep, Physics: Mechanics, Calculus, Microeconomics, and Macroeconomics.

PROJECTS

Personal [Website](#) (Present)

- Designed and built a static personal website using CSS and HTML to display other projects and experiences in detail.

Personal News Scraper (June 2020)

- Developed a program that asks users for topics they want to learn about and scrapes Google search results to find and send a new topic-based article to the user's phone at a set frequency through the PushBullet.

Autonomous Drone (Aug 2018 – Jan 2019)

- Built a drone to fly autonomously through an obstacle course and land precisely (within 6 inches) at a target location by writing scripts in C within Mission Planner, which made decisions from data collected by Lidar sensors.

ADDITIONAL

Languages: Fluent: C++; Proficient: Python (NumPy), C, Java, Groovy; Beginner: HTML, CSS, R

Skills: Agile, Jira, Visual Studio, Data Analysis, Technical Writing, and Problem-solving.

Ask me about: Movie Soundtracks, Space, Shakespeare, Avatar the Last Airbender, and Table Tennis.