

Sharan Jhangiani

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EDUCATION

University of Washington, Seattle, WA

Expected Jun. 2021

Bachelor of Sciences: Informatics (Data Science) | **Minors:** Applied Mathematics, Statistics

Relevant Coursework: *Data Structures and Algorithms, Machine Learning I & II, Calculus 1-3, Population Health Informatics, Databases, Computational Finance: Math Fundamentals + Probability Theory*

RELEVANT PROFESSIONAL EXPERIENCE

Software/Data Engineering Intern | SiDx | Seattle, WA

Mar. 2019 – Jun. 2019 | Oct. 2019 - Present

- Current: Building UI interface with data upload and validation software for lab bench usage.
- Built cloud storage infrastructure (MongoDB on AWS EC2 instance) for sensitive medical experiment data.

Visiting Data Science Fellow | ITK (City Government of Aarhus) | Aarhus, Denmark

Aug. 2019 – Sep. 2019

- I was invited to advise on the introduction of AI within the government for the City of Aarhus in Denmark.
- Presented case studies, implementation strategies and reviewed project proposals for various department.
- I also developed 2 small models: Predicting parking garage availability and recommendations for library books.

Data Science Intern | SAP Concur | Seattle, WA

Jun. 2019 – Aug. 2019

- Developed a spaCy NLP text detection model to remove personal identifiable information from text. ([Link](#))
- Trained Random Forest model to determine product type from notes, explaining \$70.3 million credit loss.
- Implemented APEX script to mask sensitive data for GDPR compliance in Salesforce low-level environments.

Data Science (Analytics) Intern | Trueform | Seattle, WA

Jun. 2018 – Aug. 2018

- Designed and performed A/B tests to deliver tangible insights and analysis for product development iterations.
- Developed script to correlate disparate data sets, matching 94% of the entries using time and other features.
- Beyond the technical work, I was also very active in a lot of strategic decisions, working with the CEO to research and discover open opportunities within the market to find product market fit.

RELEVANT LEADERSHIP EXPERIENCE

Co-President | Algorithmic Trading Club | Seattle, WA

June. 2019 – Present

- Manage development of organization's models, organize speakers, and foster discussions on trading strategy.
- Currently, acting as PM for new project with local Wealth Management Firm to automate a trading strategy.

Teaching Assistant | University of Washington | Seattle, WA

Mar. 2019 – Jan. 2020

- I taught *Intro to Data Science Methods and Advanced Methods in Data Science (Machine Learning I & II):* The mathematical fundamentals and implementation of basic machine learning models (KNN, Naïve Bayes, etc.).
- Helped initiate conversations around and subsequently completely re-shaped the curriculum, focusing content on theory rather than implementation. The curriculum is still used and has been adopted department wide.
- Created assignments and lesson plans, answered numerous questions, and occasionally conducted lectures,

Co-Director | DubHacks | Seattle, WA

Dec. 2017 – Oct. 2019

- Lead organization and defined vision to empower students with technology in the Pacific Northwest.
- Managed team to organize the largest hackathon in the Pacific Northwest, hosting nearly 2000 people in 2 years
- Helped raise and manage nearly \$200k, oversaw and organized various logistical challenges, all while balancing interests of numerous stakeholders.

RELEVANT PROJECTS

Co-Founder/CEO | Jyff Media | Philadelphia, PA

Jul. 2016 – May 2017

- Jyff Media was an embedded targeted marketing play, using virality to teach young adults "real-world" skills.
- Learnings: Jyff failed due to incorrect distribution channels and a misguided focus on tech rather than content.

SPECIALIZATIONS/INTERESTS

Technologies/Tools: Python, Pandas, SciKit, spaCy, MongoDB, AWS, Tensorflow, R, SQL, NumPy, PowerBi, Azure, APEX.

Interests: Product Development, Entrepreneurship, Text Based Modeling (NLP, Text Classification), Product Analytics