

Sharan Jhangiani

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Education

University of Washington

Seattle, WA

B.S. IN INFORMATICS (DATA SCIENCE), MINOR IN APPLIED MATH

Sept 2017 - Jun 2021

- Coursework: Data Structures and Algorithms, Probability Theory, Linear Algebra, Databases, Machine Learning
- **Teaching Assistant** for Intro & Advanced Data Science.
- Directed and led DubHacks, the largest hackathon in PNW. In 2 years raised **\$165,000+** and hosted over 2000 people.

Experience

Facebook

Remote

DATA SCIENCE INTERN (FACEBOOK MARKETPLACE)

Jun 2020 - Sep 2020

- Completed **initial ecosystem analysis (DS IC5 Level Work)** on low-signal/spam behavior on Facebook Marketplace.
- Results will likely expand team focus and resource allocation, and will influence future product decisions.
- Led internal hackathon team; **proposed a new product that is now being developed** and launching in 2021. (NDA)
- Technologies: SQL, Python, Hive, Spark, Presto

ITK - City Government of Aarhus

Aarhus, Denmark

VISITING MACHINE LEARNING FELLOW

Aug 2019 - Sep 2019

- Designed and built two custom proof of concept machine learning tools for City Government of Aarhus: A Book recommendation model and a parking garage capacity prediction model, both wrapped and delivered in Flask API.
- My work showed the value of ML in the public domain, and influenced the city to invest in data storage systems.
- Technologies: Python, Tensorflow, SciKit, Flask, SQL

SAP Concur

Bellevue, WA

DATA SCIENCE INTERN

Jun 2019 - Aug 2019

- Built custom tokenizer and used pre-trained spaCy dependency tree to remove sensitive data from unstructured text as a new feature on the existing reg-ex based "Data Washing Machine", an internal data privacy tool.
- Trained Random Forest model to detect from free-text notes which products were **responsible for \$70.3M** loss.
- Wrote scripts to mask sensitive PII data for GDPR compliance in Salesforce environments company wide.
- Technologies: Python, spaCy, Flask, SciKit, SQL, Salesforce APEX

SiDx Inc.

Seattle, WA

SOFTWARE ENGINEERING INTERN

Mar 2019 - Jun 2019

- Designed and built new storage system: MongoDB on AWS EC2 + Azure MySQL to store clinical trial medical data.
- **Architected and implemented ETL pipelines** to automate data ingestion process from proprietary medical device.
- Technologies: Python, AWS, MongoDB

Trueform.io

Seattle, WA

SOFTWARE ENGINEERING INTERN

Jun 2018 - Sep 2018

- Built reusable A/B Testing framework speeding up product decision process from 1-2 weekly deployments to over 5.
- Designed and restructured Azure SQL Database and built job to combine disparate data streams at 94% accuracy.
- Designed and built custom product analytics dashboards for clientele, **doubling inbound revenue**.
- Technologies: Python, Java, SQL, PowerBi

Projects

Feed-A-Friend

Seattle, WA

CO-FOUNDER

Mar 2020

- Built peer-to-peer Door Dash Donation system to support people in need, gig workers, and restaurants.
- Designed system architecture, built backend Flask API, and created automated email notification system.
- Technologies: Python, Flask, PostgreSQL, Heroku, Sendgrid

Skills

Languages Technologies Frameworks

Python, Java, SQL, APEX
Conda, Git, AWS, Azure, PostgreSQL, Presto, Hive, Spark, PowerBi
Flask, Pandas, Numpy, SciKit Learn, Tensorflow, spaCy, Boto3, Pymongo