

ELIAS JAGHAB

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EDUCATION

Villanova University - Villanova, PA
Master of Software Engineering 4.00 CGPA

Expected May 2022

Villanova University - Villanova, PA
Villanova School of Business (VSB)
Bachelor of Business Administration, Management Information Systems (Major), Business Law (Minor), 3.51 CGPA

May 2020

University Courses: Algorithms & Data Structures, Programming for Adaptive Problem Solving, Database Management, System Analysis & Design, Mobile App Development, Platform Based Computing, Python Machine Learning, Software Design and Evolution, Requirements Engineering, Data Mining & DB Programming

Online Courses: Web Developer Bootcamp 2021 by Colt Steele

SKILLS

Languages: Python, Java, JavaScript, HTML, CSS

Frameworks: React.js, React Native, Flask

Data Tools/Languages: Databricks, Looker, Oracle, MySQL, SQL Server, PL/SQL, NoSQL, MongoDB, R

Analytical Packages/Libraries: pandas, numpy, sklearn, matplotlib, Caret, e1017, tree, randomForest, nlTK

EXPERIENCE

Collective Health – San Francisco, CA

2021

Software Intern – Data Infrastructure

- Developed a process to identify when medical data feeds have not been updated using SQL with Databricks and Looker
- Administered alerts through Looker on a schedule to respective teams when data pipelines needed to be updated

Dailyhuman – New York, NY

2020

Data Validation Intern

- Identified and addressed shortcomings of data sourced from internet crawlers
- Leveraged lemmatization and natural language packages in Python to identify 10000 new tags
- Constructed a process to cleanse duplicate restaurant data entries with 95% accuracy
- Provided critical feedback on user interface designs

Villanova University – Villanova, PA

2019

Classroom Support Technician

- Managed and monitored network database system upgrades, replaced broken classroom media equipment, and troubleshooted hardware and software problems with classroom equipment for faculty members
- Upgraded and maintained digital and analog classroom equipment and computer database software
- Oversaw inventory and managed database software such as Crestron RoomView/Media Manager

PROJECTS

Fraud Detection in Imbalanced Data

- Cleaned raw imbalanced data and analyzed it to decide which ML modules to run on the data
- Implemented Random Forest Classifier using Python and sklearn libraries

Repetitions

- Created a watchOS and iOS application in Swift using Agile methodologies that enables users to keep track of their fitness routines directly from their wrist

SmartShop

- Developed a React Native application for users to track their grocery spending long term
- Implemented a recipes API to recommend other products to users based on their current selection

INTERESTS: Music, soccer, Nintendo Switch, paddle-boarding