# Jonathan Dedinata

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## EDUCATION

### M.S. Computer Science
University of California - Irvine • September 2021 - December 2022 • 3.6

### B.S. Computer Science and Engineering
University of California - Irvine • September 2015 - June 2018 • 3.6

## SKILLS

**Languages and Platforms: C++, Java, Python, SQL, R, Scala, Github, Tableau, Power BI, MS Office 365, MS Azure**

**Libraries: PyTorch, TensorFlow/Keras, Pandas, SciPy, NumPy, Matplotlib, Scikit-learn, NLTK, SQLite3**

**Disciplines: Machine Learning, Deep Learning, Data Mining, Data Visualization, ETL Processes, Data Analysis**

**Models: Linear and Logistic Regression, KNN Classification, Decision Trees, Gradient Boosting, SVM, K-Means Clustering**

## EXPERIENCE

### Lead Software Technician
**Apple** **April 2020 - August 2021, Sunnyvale, CA**
- Led a team of 10 and organized efforts to gather meaningful data and trends to decrease application processing times.
- Utilized Tableau to analyze workflows, improving SLAs by 66% and further decreasing processing times by 75%.
- Collaborated with governmental and medical institutions to deploy COVID-19 applications during time of urgency.

### Software Technician 3
**Apple** **May 2019 - April 2020, Sunnyvale, CA**
- Analyzed and reviewed 105 iOS applications daily based on design, performance, and utility, pushing for 130% of daily target.
- Collaborated with cross-departmental teams to introduce more automation in workflows, cutting processing times by 60%.
- Resolved 95% of reported issues while following up on 100% of feedback from developers, evaluated monthly.

### Content Analyst
**Google** **October 2018 - March 2019, San Jose, CA**
- Analyzed content and tested 90 Android applications daily based on design and performance for publishing to the Play Store.
- Increased efficiency of application analyses by 40% by using automation to identify and keep track of application trends.
- Decreased application processing times by 33% by removing parts of workflows that contributes least to meaningful data.

## PROJECTS

### SpaceX Falcon 9 Launch Outcome Predictor
IBM Data Science Capstone Project • March 2023 -May 2023
- Gathered and curated data using ETL tools through the SpaceX API and web-scraped Wikipedia, ensuring data usability.
- Deployed SQL server databases on IBM Db2 for exploratory data analysis using SQLite3 and Matplotlib.
- Developed classification models (e.g. Logistic Regression, KNN, SVM) using scikit-learn, achieving 83% prediction accuracy.

### Diabetic Patients Readmission Predictor
Machine Learning Team Project • January 2023 - March 2023
- Developed a predictive model using Scikit-learn to predict diabetic patient readmissions, performing at 68% accuracy.
- Performed ETL processes on big data sets sourced from UCI machine learning resources for exploratory data analysis.
- Explored models (e.g. Linear Regression, Gradient Boosting) using grid search and cross-validation for predictive analysis.

## CERTIFICATIONS

### Microsoft Certified: Azure AI Fundamentals - AI-900
Microsoft • June 2023

### IBM Data Science Professional Certificate
IBM on Coursera • May 2023