

# DONGJUN CHO

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## EDUCATION

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### Johns Hopkins University

Master of Science in Computer Science  
Concentration in Data Science and Cloud Computing  
GPA: 3.45/4.0

*Expected Graduation December 2022*

### University of California, Merced

Bachelor of Science in Computer Science and Engineering

*Aug. 2016 - Dec. 2019*

**Relevant Course works:** Computer Architecture, Foundations of Algorithms, Operating Systems, Parallel Programming, Principles of Database Systems, Principles of Enterprise Web Development, Probability and Statistics, Software Engineering, Intro to Machine Learning, Cloud Computing

## PROJECTS

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### My Portfolio Website

<https://whehdwns.github.io/DongjunCho/>

### Machine Learning Algorithm

Implemented different types of machine learning algorithm from the scratch, such as KNN, Decision Tree, Neural Network, etc. for 6 datasets from UCI Machine Learning Repository in Python.

*Jan. 2022 - May 2022*

### Covid19 California Cases Statistics

Analyzed datasets from covid19.ca.gov and visualized the Covid19 Statistics, demographics, and impact on hospitals using different types of visualization tools: Tableau, Power BI, Python, and R.

*Jan. 2022 - Feb. 2022*

### Data Analysis Learning

Analyzed Kaggle datasets using Machine Learning Concepts in Python Jupyter Notebook. Investigated datasets such as Diagnostic, Fraud Detection, Trending Statistics, Sentiment analysis, Sales Forecasting, etc.

*Mar. 2021 - Dec. 2021*

### Movie Reservation Database

Designed the movie reservation database ERD using MySQL Workbench. Composed database design project document to manifest physical and logical models of database design.

*Sep. 2021 - Nov. 2021*

### Next Word Predictor

Built next word predictor application using shiny application in RStudio. Implemented with Natural Language Processing (NLP) and Text Mining.

*Jul. 2020 - Aug. 2020*

## RESEARCH

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### UC Merced Research Assistant

- Measured the performance of the Intel Optane PC Persistent using BoxLib, Quantum-expresso in Linux.
- Developed android app that can load image datasets such as MNIST, SVHN from the SSD and automatically label those images.

*May 2019 - Dec. 2019*

## SKILLS

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Platforms: Windows, Linux, Bash, Git;  
Language: Python, MySQL, SQL, Java, R;  
Tools: Jupyter Notebook, MySQL Workbench, Power BI, Tableau, RStudio, Jira;  
Software: MS Office;  
Spoken Language: English, Korean.