DONGJUN CHO

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EDUCATION

Johns Hopkins Whiting School of Engineering *August 2020 - Expected 2022*
Master of Science in Computer Science

University of California, Merced *August 2016 - December 2019*
Bachelor of Science in Computer Science and Engineering
Relevant Course works: Algorithm Design and Analysis ,Artificial Intelligence, Computer Architecture, Computer Networks, Data Structure / Organization, Database Systems, Numerical Methods, Operating Systems, Parallel Programming, Probability and Statistics, Software Engineering

PROJECTS

My Portfolio Website
https://whehdwns.github.io/DongjunCho/

Next Word Predictor *July 2020 - August 2020*
Built next word predictor application using shiny application in RStudio. Implemented with Natural Language Processing (NLP) and Text Mining.

Car Rental App *August 2019 - December 2019*
Built simple Car Rental Database using SQLiteStudio. Designed with UML/ER diagram. Implemented Car Rental system in Android Studio.

Find This - Mobile App Challenge Spring 2019 *January 2019 - May 2019*
Built android app , using Android Studio, that is geared towards educational institutions and intended for use between instructors and students. Collaborated with 3 group members.

Parallel Programming *January 2019 - May 2019*
Implemented different way of parallel programming using OpenMP, Pthread, MPI, CUDA.

Data sorting Algorithm *August 2018 - December 2018*
Implemented different types of sorting and graph algorithm in C++. Measured the running time for algorithms.

RESEARCH

UC Merced Research Assistant *May 2019 - Nov 2019*

- First Research
  Generated a large amount of input using Intel Optane DC Persistent Memory. Measured the performance for each input code from BoxLib, Quantum-expresso.
- Second Research
  Built android app that can load large amount of images from the SSD and automatically label those images. Measured the performance of image loading time. Generated images using image loader and SQLite.

SKILLS

Platforms: Window 7/8/10, Linux, Bash, Unix shell, Git;
Language: Java, C++, C, Python, SQL, MATLAB, R, CUDA, JavaScript, CSS, HTML;
Tools: Android Studio, SQLite Studio, RStudio, Tableau;
Software: Microsoft Office;
Spoken Language: English, Korean.