EUGENE CHOE

Austin, TX
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Github: EGC1995
Website: egc1995.github.io

SKILLS

Languages	Python, C, Java, C++, Perl, JavaScript, MATLAB, Shell Scripting
Database	SQL, NoSQL (Hadoop, ElasticSearch), Graph (Neo4j, JanusGraph)
Other	Machine Learning, DSP Implementation, Docker, Data Analysis

EXPERIENCE

Software Developer – General Motors　　　　　　　　　　　**June 2018 – Present**
- Collaborated with Data scientists and data engineers to produce tools and regression models to analyze cost areas within the warranty space for General Motor vehicles.

Software Engineering Intern – Intel Corporation　　　　　　　**June 2016 – May 2018**
- Worked with mobile processor development teams across multiple sites to create complex data visualizations and data aggregation frameworks.
- Created Web applications purposed for centralized project schedule viewing for project managers.

Java Developer – University of Utah　　　　　　　　　　**May 2015 – August 2015**
- Developed a testing suite for the Synthetic Biology Open Language, effectively detecting critical bugs in the logical flow of the library with the purpose of genetic circuit modeling.
- Regularly consulted with PI about common security issues in cloud computing and methods of attack and testing, such as penetration testing.

PROJECTS

MixologyMe (Offline)　　　　　　　　　　　　　**January 2018 – May 2018**
- Designed interactive web application with the ability to scale for large datasets and utilize RESTful API with the purpose of showing cocktail combinations with given ingredients.

HousePricing.ai　　　　　　　　　　　　　　**January 2018 – March 2018**
- Implemented gradient descent algorithm to factor in multiple variables to predict housing costs given the location and current housing market.
- Modified model to be trained on apartment pricing to help optimize search for apartment by picking out locations within the user's budget.

PintOS　　　　　　　　　　　　　**September 2017 – December 2017**
- Implemented operating systems functionalities on an existing codebase including system calls, virtual memory, multithreading, file systems, and a simplified version of bash.
- Explored complex scheduling algorithms applicable to both GPOS and RTOS

WeatherBot　　　　　　　　　　　　　　**May 2017 – August 2018**
- Designed weather forecasting bot utilizing Microsoft's bot framework and LUIS to give user weather forecasts for the week based on the zip code.

EDUCATION

University of Texas at Austin
B.S., Electrical and Computer Engineering