Ryan G. Tjakrakartadinata

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Location: San Francisco Bay Area

Master of Science in Computer Science

Education

University of San Francisco Aug 2020 - Dec 2022 Oklahoma State University Aug 2011 - Dec 2015

Bachelor of Science in Industrial Engineering and Management

GPA 2.78 / 4.0

Work Experience

GPA 3.96 / 4.00

Headway - Milpitas, California

Jun 2022 - Aug 2022

Software Engineer Intern

- Performed ETL on +21 million rows of data using SQL and Python
- Built an application to predict the processing time of each tool in the manufacturing floor based on the queue, batch sizes, operations, and tools

Calix - San Jose, California Jun 2021 - Sep 2021

Software Engineer Intern

- Improve reliability by improving a Python script that checks for backward compatibilities between releases
- Implemented infrastructure improvements by resolving JIRA tickets arising from customers' request

Livongo - Mountain View, California

Aug 2020 - Nov 2020

Data Ops Analyst Intern

- Performed data standardization of suffixes and prefixes for +20,000 user names utilizing Regex
- Led coordination with 2 client-facing teams to consolidate all key client data & information in a central dataset, eliminating the need for manual inquiries on a client-by-client basis

Qualitest @Google - Mountain View, California

June 2017 - Feb 2020

Google Search Analyst

- Trained machine learning model through data labeling
- Queried and analyzed dataset from Google internal Database to support the launch of a new feature
- Identified bugs from Google Search products and collaborated with relevant engineers to resolve the bugs
- Surfaced data-driven insights to the stakeholders for the launch of new Google Search feature in Indonesia

Projects

Number-Tool Language – Implement a command line program that can interpret simple ntlang expressions for working with different number bases and bit widths.

Key skills: C, struct, bit shifting

HDFS – Implement a simplified HDFS using Go

Key skills: Go, TCP, socket, channel, gob, protobuf

Reliable File Transfer – Implement a reliable data transfer protocol between multiple hosts.

Key skills: Java, TCP, checksum, socket, Go-Back-N, Stop-and-Wait, thread

Cloud Storage Service - Designed a cloud storage service with replicated backend servers and a command line client application.

Key skills: C, Go, socket, sha1sum, threadpool, server, client

Languages

Java, C, Python, Golang, SQL, HTML, CSS, D3.js, ARM, Racket, ReactJS, and SwiftUI