

Zhou Zhizhong

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EDUCATION

National University of Singapore

Jan 2017 - Jul 2018

Master of Computer Science (Coursework)

- CAP: 3.65/5
- Relevant Coursework: Massive Data Processing, Information Visualization, Advance Operation System

Nanjing University

Sep 2010 - Jun 2014

Bachelor of Management, Major in Information Management and Information System

- GPA: 4.24/5 (Ranking: 26/112)
- Excellent graduate, People's Scholarship, Excellent student in social practice

WORK EXPERIENCE

Merkle (Nanjing, China)

Apr 2014 - Dec 2015

Campaign Analyst II

- Implemented and executed marketing campaigns with TIDAL.
- Prioritized SQL procedures and improved automation VBS scripts.
- Assisted with troubleshooting of data issues and ETL process, addressed ad-hoc requests from vendors.
- Migrated blogs to Chinese website.
- Won MVP award twice for excellent performance and got highly appraised by project manager.

RESEARCH EXPERIENCE

LTA Bus Bunching Visualization

Sep 2017 - Dec 2017

- Pre-processed LTA's historical EZ-Link data including data loading, cleansing and transformation, calculated and interpolated actual boarding and alighting time of each bus station based on GPS coordinates, generated visualization plots to predict bus bunching of a bus route.

Distributed Big-data Platform (Java)

Apr 2013 - Jun 2014

- Configured and implemented a distributed Hadoop cluster in Linux, compiled hadoop-eclipse-plugin and undertook multiple benchmark tests.
- Implemented PageRank, TF-IDF algorithms to process chunks of small files in this platform.

Publication

- Analysis of Half-life Journals in Library and Information at Home and Abroad, 2013

PROJECT

Program analysis on LLVM Pass (C++)

Jan 2018 - Jun 2018

- Implemented LLVM Pass for program analysis and evaluation, including Taint, Difference and Interval analysis.
- Analyzed LLVM Instructions in loop-free programs and optimized them with support of loops and path-sensitivity check.

Conference Information Visualization (Python, Tableau, D3.js)

- Extracted certain labels from a set of conference papers in xml format, visualized queries with insightful and creative plotting (Sankey, Sunplot, Forced Graph chart) in Tableau which integrated with D3.js.

Diary application (Python, Flask, Docker)

- Developed a diary web application with RESTful API, used Ajax call for interaction.
- Implemented front-end and backend service (registration, login and personal information part).

ADDITIONAL INFORMATION

- Spoken languages: English (medium), Chinese(native)
- Programming languages: Python, C++, Java
- Github: <https://github.com/zzz686970/>
- Tools: Git, PostgreSQL, MySQL, Excel
- Interests: marathon, mountain climbing, cycling, reading.