

CHEN WANG

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Technical Skills

Programming Languages

- C/C++
- Python
- SQL
- Bash Script

Development Tools

- Git/GitHub
- Spark
- AWS
- Visual Studio

Project Management Tools

- JIRA
- CICD-Jenkins
- Gantt Chart
- Scrum in Agile

Work Experience

Software Developer (Tech Lead)

Nov 2021 – July 2023

Autodesk - Shanghai

- Served as Tech Lead in 6-member Autodesk Civil3D team, fostering cross-functional collaboration within "Development, Environment, and Extension" Squad.
- Reduced installation time by an average of 30 minutes. Achieved through improvement in NuGet package management, Python and batch scripts, and project dependency organization.
- Saved at least one month each year and outsourcing costs. Realized through the standardization of repositories for over 10 extensions.
- Lessened random UT failures from 30% to 5%, and decreased CI processing time by half. Obtained by enhancing CI-CD process robustness by optimizing UT Framework performance (180k unit tests).

Software Developer

Nov 2019 - Dec 2020

Huawei - Shenzhen

- Key contributor to commercialized Distributed Cache Service for Redis (DCS) project (<https://www.huaweicloud.com/intl/en-us/product/dcs.html>).
- Ensured ability to recover data after node crashes, secured by implementing a data persistence module.
- Provided a backup plan for product go-live, achieved by designing and realizing a data migration tool to simplify service transition back to Redis.
- Avoided unrecoverable data loss by adjusting the expired data handling mechanism for the distributed system.

Selected Projects

Resume-Job Matching Tool (Ongoing)

Sept 2023 – Dec 2023

- Recommending jobs based on resume input.
- Related skills: Python, Spark, Web Scraping, NLP
- (<https://github.com/irisjiayuema/big-data-lab-I-final>)

Relative Pitch:

Nov 2018 – July 2019

- Music learning app listed on IOS App Store.
- related skills: Swift, SQL, XCode
- (<https://github.com/chenwang-github/RelativePitch>)

Education

Master of Science: Professional Computer Science

Expected in April 2025

Simon Fraser University

Bachelor of Science: Software Engineering

Sept 2016 – June 2019

University of California, Irvine