Dennis Wei

Full Stack Developer

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github.com/dennis-wei

EXPERIENCE

Atlassian

2018 - present

Junior Developer

As a member of the Engagement Platform team, I worked on tooling to help developers and marketers design, build, and measure the effect of emails and in product messages. By intelligently informing users of how to use Atlassian products, we incrementally improved MAU and increased usage of advanced features.

During my time on the team, I've had the opportunity to work on projects dealing with internationalization, migration to a single-page app, and scaling a user targeting platform to accommodate 3 million requests an hour.

Bloomberg L.P.

2017

Software Engineering Intern

I worked on Bloomberg's open source project comdb2, a highly available distributed relational database management system built on top of optimistic currency control.

I implemented incremental backups, drastically reducing both the creation time and disk space usage of backups. These backups worked handled incredibly large databases in distributed clusters. These backups could be streamed to restore database state via the ARIES recovery algorithm.

PROJECTS

The 7%

Through an entrepreneurship organization at Columbia University, I organized a series of interviews with female venture capital partners such as Christine Tsai of 500 Startups and Kimmy Scotti of 8VC that sought to highlight the incredible yet often overlooked work being done by women to support startups.

News Article Similarity Analyzer

I built a Python Flask application that regularly scrapes politics articles from sources such as the New York Times and the Washington Post. Articles were compared for content similarity using clustering algorithms. I then compared bias across articles using sentiment analysis.

EDUCATION

Columbia University

2014-2018

B.A. Computer Science, B.A. Economics-Mathematics

Relevant coursework: Data Structures in Java, Introduction to Databases, Advanced Database Systems, Statistical Machine Learning, Natural Language Processing