

Dang Jun (Frank) We

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Github : <https://github.com/frank217> • KR Resume : <https://frank217.github.io/>

Education : Rice University Houston TX BA in Computer Science

Relevant Courses : Program Design Advanced OOP & Design Computer System Parallel Programming
Tools & models for Data Science Reasoning of Algorithm Artificial intelligence Linear Algebra Linear Regression
Probabilistic Algorithms and Data Structures Operating System Principle of Programming Languages

Professional Experience

Software Engineer : Viagogo

New York NY July 2019 - July 2022

- Design and Develop tools required for the **Performance Marketing team**. Worked with **Azure Products** such Eventhub, Kusto, Data Explorer, Sentiment Analysis and Octopus(Automated deployment).
- Experience with **back-end integration** between two companies(Viagogo and Stubhub), which include implementing features and pipeline to be able ingest new DB data from Stubhub. **Doubled the traffic** through Ads on the day of DB integration.
- Developed a feature to understand and increase Search term utilization with **Google KeywordPlanner**, which **started with 4k keywords and ended up with 140k** new relevant keywords.
- Implement **Rate Limiter** that **decreased invalid rate limited requests by 80%**. Decrease creation and processing of requests by preventing request failures with slightly randomized(prevent request slamming at once) gate time. Later improved rate limit by resolving each categorized rate limit request.
- Implemented functionality to alter Bidding Strategy on demand due to extensive api request usage. Reduced number bidding requests by 50% alter Bidding Strategy to Target ROAS.
- Deletion and prevention of Noncompliant ads depending on region,language and account by creating **NonCompliance Package** used by report downloader, api request sender, and internal application.
- Created Frontend/Backend feature on existing website tool to increase visibility and accessibility on A/B Testing environment with feature to create, develop, test, deploy, and archive experiment and feature tests.

Entrepreneurship Experience

Lead Software Engineer : HueSpace

New York NY July 2020 - Jan 2021

- **Full Stack IOS engineer** developing Front-end with XCode and Swift and integrating back-end with Firebase as DB and google log-in / google authentication.
- Developed **SNS application** for furniture lovers, where users can post their furniture and hashtag relevant information that user can search by. Users can also interact on each other's posts with comments and like as well as follow users.

Projects

Chat App (Team)

Houston TX April 2018

- Developed **peer to peer network** to resist single network failure and to be fault-tolerant of other users.
- Utilize **visitor design patterns** to decouple data and data-processing. If the app doesn't know how to handle data, it requests for how to process the data from the sender.
- Develop fault-tolerant **Test Driven Development** peer to peer chat application with **Java** that can send and receive text, image, and unknown data type, that are tested with **40 concurrent users** without any failure.

Skills

Languages : C#, Python, Java, JavaScript, SQL, HTML, CSS

Tools : Azure, Django, AWS(EMR, EC2), Spark, Node.js, Bootstrap, Photoshop & Illustrator