Junquan (Jamie) Chen

(217)-418-9500 | junquan.chen@cs.ucla.edu | Los Angeles

PROFESSIONAL SUMMARY

Master's in Computer Science student at UCLA experienced in web & back-end development, building data pipelines and data warehouse architecture. Passionate about writing clean, efficient code using Java, Go, PHP, C#.

EDUCATION

University of California, Los Angeles   Los Angeles, CA
- Master of Science in Computer Science   *Sep 2020 – Jun 2022*
- Courses: Computer Networks, Distributed Systems, Big Data Systems, Cloud Computing, Automated Testing

University of Illinois at Urbana Champaign   Champaign, IL
- Bachelor of Science in Computer Science & Linguistics | Dean's list 2019   *Aug 2016 – May 2020*
- Courses: Algorithms, Data Structures, Database Systems, OS, Applied ML, NLP, Mobile UI Design

EXPERIENCE

Tencent | *Backend Engineer Intern* - *Shenzhen, CN*   *Jan 2021 – Jul 2021*
- Developed APIs and data warehousing service for Tencent Cloud SaaS app including e-classroom, forum and streaming service. Streamlined development efficiency and productivity measurement processes and built live streaming APIs using **Golang**, Gorm, Gin, **Redis** and **MySQL.**
- Constructed an offline data warehouse to revamp key business and operations KPI data calculations using Tencent Cloud EMR. Worked primarily independently to engineer data warehouse layers, develop business logic and manage / execute **ETL** tasks via DolphinScheduler (Scheduling), Flume, **Kafka** and **MapReduce**. Stored aggregated tables in **Hive**.
- Designed MySQL and **ClickHouse** table structure / indexing and delivered data presentation API in **Golang**.
- Increased data by 5-7 million rows daily, with a total of 5 billion rows stored in the collaborative data warehouse, allowing several SaaS product teams easily analyze engineering productivity data including code quality and development cycles.
- Launched backend internationalization module service, integrating with i18n, using **PHP** and Laravel framework.

DocuSign | *Software Engineer Intern* - *Greater Chicago Area, US*   *May 2020 – Aug 2020*
- Worked in a team of 11 on next generation's Real Estate transaction management product – DocuSign Rooms.
- Developed permission control tools using **Angular & TypeScript** for companies to enhance file management experience by allowing admins flexibility and customizability in assigning permissions to company staff.
- Built **RESTful APIs** with **.Net Framework,** Dapper (ORM)**,** and **Microsoft SQL server** in **C#** for platform's admin portal.
- Wrote **Angular tests** with Jasmine & Karma and **unit tests** for **C#** code with **NUnit** framework.
- Polished onboarding guides on **Confluence**, made 101 contributions on **GitHub**, completed 10+ **Jira** tickets during sprints.

Tencent | *Product Development Engineering Intern* - *Shenzhen, CN*   *May 2017 – Aug 2017*
- Developed a WeChat-based education mini program for entrepreneurs with **HTML & CSS** and **React Native**.
- Designed and implemented features including location-based course check-in, class forum, and in-app calling/texting.
- Participated in six beta releases serving 50+ internal beta testers and successfully delivered the product to customers.

PROJECTS

Reddit Movie Reviewer   Project Link; *Spring 2020*
- Constructed a cross-platform full-stack web app that presented movie info, extreme reviews and rating scores.
- Integrated a movie search engine with auto completion that enables users to efficiently search movies within the app.
- Built **sentiment analyzer** to score and query movies in real time by training on 6k+ reviews from Cornell Movie Review Dataset. Retrieved movie reviews and comments via Reddit API, based on user's search engine query.
- Implemented the app using **React, Node.JS** and stored user preference data in **MongoDB** using **Python (PyMongo)**.

Rate My Class   Project Report; *Spring 2019*
- Built a full-stack database-based web app using **React.JS, Node.JS** and **MySQL** and deployed the app on **Heroku**.
- Enabled users to look up the average GPA, ratings, and comments for all university courses and review courses themselves.
- Applied **logistic regression** models to predict the recommendation rate of each course from clean reviews.
- Applied **text mining** techniques to extract useful comments from courses by conducting syntactic structure pattern matching.

Basketball Score Tracker   Project Link; *Spring 2019*
- Designed a basketball score recorder app for coaches to store match information such as 3-pointers and free throws.
- Implemented the **Android** app using **Java** and designed the UI using **Google Material Design**.
- Deployed to **Google Firebase** for scoring data storage and data synchronization among devices.
- Used Google's Geocoding API to get matches' locations and their corresponding addresses.

SKILLS

- **Programming Languages**: Java · Golang · JavaScript · Python · C# · PHP · TypeScript · C++ · Scala
- **Frameworks & DBs**: Git · Docker · React · Node.JS · Flask · Kafka · MongoDB · MySQL · Redis · Hive · HDFS