

Byron Li

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EDUCATION

University of Southern California | Los Angeles, CA
B.S. Computer Science, Dean's List

May 2020

SKILLS

Languages: C++, Python, Java, SQL, HTML, CSS, JS, Matlab, Kotlin

Tools: Git, Maven, Android Studio, AWS, Firebase, Spring, Kafka, Eclipse, JIRA, IntelliJ, Agile, Mockito, Selenium

EXPERIENCE

Bloomberg LP | Software Engineer Jun 2020 - Current

- Developed for core backend data service, which processes over 110 million requests daily in c++.
- Increased accessible client data by over 30% through integrating partial restatements company financial data to service.
- Implemented better KPI tracking through creation of monitoring and analytics system to send complex, such as client-tagged, or AB tested, metrics to Humio and Grafana dashboards.
- Utilized direct client feedback to identify and resolve platform issues for critical Bloomberg function MODL, part of FA.

Intuit, Inc. | Software Engineering Intern Jun 2018 - Aug 2019

- Engineered new implementation of credentials service API to speed up facilitation of bank credential processing for over 32 million TurboTax and Quickbooks customers.
- Solved race condition issues by introducing synchronized methods in user accounts service.
- Designed and implemented Spring application and deployed on EC2 instance to distribute 30,000/day data events in real-time from Elasticsearch to client Kafka topics.

Paramount Pictures | Technology Intern Jun 2017 - Aug 2017

- Improved user lookup time and accessibility by >150% by migrating Paramount asset database to more modern SQL database.
- Analyzed internal user usage statistics in C# using Sharepoint API.

PROJECTS

Bites | Fullstack Application serving summarized 'bites' of email newsletters

- Co-founded as backend lead, implementing BertSum with fine-tuning on DailyMail/CNN dataset to develop a summarization algorithm for email newsletters.
- Deployed REST service using Flask through Heroku.
- Performed iterative development with MVP, beta testing, distributed backend, architecture design

MobileTeacher | Play Store published learning platform for developing countries (mobileteacher.org)

- Published, built, and designed Android app to facilitate teacher to teacher learning.
- Implemented scalability and robustness for app using Firebase and Kotlin. Designed in Sketch.
- Distributed to 100+ test users in Ecuador as part of US Dept. of Education program.

Reddit Bot | Automated comment bot using Reddit API, Imgur API, & Python

- Increased user accessibility by building image metadata retrieval with Imgur and Reddit API
- Posted over 700+ comments with extremely positive user feedback (850+ karma score).

OTHER

Ask me about: Working in a michelin rated restaurant, professional film & cinematography, chess, fashion, Hawaii, music theory, or anything you would like!