Byron Li

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EDUCATION

University of Southern California | Los Angeles, CA | GPA 3.34   Grad: Dec 2019
        B.S. Computer Science; Minor, Business Administration
        American Airlines Foundation Scholar

SKILLS

Languages: Java, C++, Matlab, SQL, HTML, CSS, JS, Python
Tools: Git, Maven, Android Studio, AWS, Firebase, Spring, Kafka, Eclipse, JIRA, IntelliJ, macOS, Windows

EXPERIENCE

Intuit | Software Engineering Intern – Data Engineering   Jun 2018 - Aug 2018
- Developed Java modules with data engineering team for Intuit customer financial data (2.8 million users), for use in fraud risk modeling and targeted marketing applications.
- Designed and implemented Spring-Boot application and deployed on EC2 instance to distribute 30,000/day data events in real-time from Elasticsearch to client Kafka topics.
- Refined identification of compromised accounts to 90% accuracy by utilizing random forest modeling based on features including mouse movement & malicious search queries.

Paramount Pictures | Technology Operations Intern   Jun 2017 - Aug 2017
- Improved user lookup time and accessibility by >150% by migrating Paramount asset database to more modern mySQL database,
- Modeled and analyzed internal user usage statistics in C# utilizing Sharepoint RESTful API.
- Collaborated with SVP on funding request based on analysis of user data demonstrating need for additional department funds.

Rochester Institute of Technology | Undergraduate Research Project   Jun 2016 - Aug 2016
- Interpolated user electronic smoking habits by analyzing data from RTI study in Matlab.
- Automated previously manual protocol file creation process through program, increasing processing speed by >100%.
- Acquired $3500 of funding by submitting grant proposal to RIT Honors Research Department.

PROJECTS

Chronos | Full Stack Meeting Planner Web App w/ AWS, SQL, Java, JS, HTML & CSS   Fall 2017
- Led core backend server and database development for 6 person team, meeting 100% of deliverable deadlines, and received an A on project.
- Managed scheduling logic and login data using backend AWS connection implemented in Java.

Nutrition | Android Health Tracking Application using Firebase, Java, RESTful API   Spring 2018
- Populated encrypted user data using asynchronous calls to Firebase resulting in faster lookup speed.
- Parsed response from Nutritionix REST api to return food data from searches to custom Adapter.

LEADERSHIP

USC Student Government | USC APASA, *Photography Director*   Aug 2017 - May 2018
- Facilitated events focused on cultural learning & exposure by collaborating with 24 member organizations and distributing over $75,000 in funding.

USC SCOPE | USC's Premier Computer Science Organization – Associate (https://scopeusc.com/)
USC Athena Hacks | SoCal's Largest All Female Hackathon – Mentor (http://athenahacks.com/)