DIAN QI

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⋄ Portfolio: https://www.qidian.blue ⋄ Github: https://github.com/qidian99

EDUCATION

University of California San Diego   *September 2017 - March 2021 (expected)*
B.S. in Computer Science & B.S. in Applied Mathematics   GPA: 3.97

TECHNICAL STRENGTHS

Spring Boot, Postgres, MySQL, MongoDB, Neo4j, Node, Express, GraphQL, Drupal, Google Firebase, Rails
Java, PHP, Python, C, Swift, R, Matlab, JavaScript, React, React Native, Preact, Vue, Flutter, WSO2, CI/CD

COURSES

Graph Theory, Group Theory, Stochastic Statistics, Cryptography, Honor Linear Algebra, Combinatorics, Deep
Learning, Computer Vision, NLP, OS, DBMS, Computer Security, Computer Architecture, Networks

EXPERIENCE   More projects in my Portfolio

ISAFE Ventures   Carlsbad, CA
Technical Lead   *June 2020 - Present*
· Redesigned the architecture of ISAFE Direct, a document management system for eDoc creation, workflow
management, and compaign management of over 1,000,000 subscribers.
· Created and optimized new SQL schemas and views to fit in the new business logic and to be backward compatible.
· Developed custom routing module, teacher module, and admin central module in Drupal for different subscription
types. Implemented 20+ Preact web components to support embedded curriculum video in documents.
· Proposed an innovative Drupal development model according to PRD, which is adopted by the engineering team.

ISAFE Ventures   Carlsbad, CA
Full-stack Engineer   *September 2019 - June 2020*
· Prototyped and implemented the React Native app, MyOk, that accompanies the document management system,
ISAFE Direct, for district-level eDoc delivery of over 75,000 K-12 schools.
· Prototyped and led the development for the React Native social app, DigiYak, that targets at parent communi-
cations in K-12 school districts. Facilitated the decision of GraphQL and Apollo as back-end technologies.
· Implemented Drupal web services, NoSQL database schemas, GraphQL APIs, OAuth, sockets, and SMS/email
verifications, which met COPPA, CIPA, FERPA, and PPRA regulations. Prevented CSRF and DDoS attacks.

UCSD Information and Technology Services   San Diego, CA
Software Engineer, Part-time   *April 2019 - Present*
· Implemented the course enrollment system, **WebReg**, into the official React Native app, Campus Mobile.
· Used Spring Boot to develop Academic API used by 40,000+ students. Set up WSO2 and performed QA/QE.

IBM China Research Lab (CRL)   Beijing, China
Researcher   *July 2018 - September 2018*
· Researched into alert correlation and causal inference for abnormal events in bank-level computer systems.
· Designed and implemented a bayesian-based event grouping and reduction model that uses Python for causal
inference, Java for clustering, and R for running PC algorithm, a constraint-based causal discovery model.
· Submitted patent, "Causality-Based Event Grouping and Reduction", internally rated as highest level "Search".

ACHIEVEMENTS

First place in 2020 Unicode SC+ Hackathon, out of 272 particpants from 83 teams. Github
Bridge Game: Second place in Michael Seamon Junior USBC Bridge Competition, USA, 2017 (U21).
Bridge Game: Gold medal in National Youth Bridge Championship, China, 2017 (U20)
Mathematics: Finalist in High School Mathematical Contest in Modeling (HiMCM), 2017