Albert Yiliang Li

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Education

University of Illinois at Urbana-Champaign   **May '22**

B.S. in Computer Science, Minor in Statistics | James Scholar Honors in College of Engineering   GPA: **3.90** / 4.0

Relevant Courses: Distributed Systems, Computer Security, Database Systems, UI Design, Algorithms, System Programming, Data Structures

Experience

Facebook   **August '21 — November '21**

Software Engineer Intern — React, JavaScript, GraphQL, Relay, Hack   *Menlo Park, CA*

- Working on the Facebook Stories team

Salesforce: Tableau Software   **May '21 — August '21**

Software Engineer Intern — C++   *Seattle, WA*

- Released core features to new VizAPI product that parses JSON input and outputs visualizations declaratively
- Spearheaded telemetry infrastructure tracking product data for insights in customer usage and adoption
- Created end-to-end tests and unit tests for CI/CD pipeline

Motorola Solutions   **June '20 — May '21**

Software Engineer Intern — JavaScript, Express, Apache Kafka, SQL Server, Kubernetes   *Champaign, IL*

- Designed Node.js backend cloud service to monitor radio networks, integrated with an Apache Kafka stream for real time notifications, Azure SQL Server, and Kubernetes
- Architected CI/CD pipeline for Node services in Docker and K8 clusters on Azure DevOps
- Developed a web API used by data scientists to efficiently query files from Azure DataLake filesystem in C# and .NET

Caterpillar   **August '19 — May '20**

Software Engineering Co-Op — Python, Angular, TypeScript, Flask, MySQL   *Champaign, IL*

- Built an internal data querying web tool and API used by 1000+ engineers with 20k+ daily queries that reduced data lookup time from 10+ minutes to seconds
- Constructed custom interactive data visualizations of financial and equipment data

Ameren   **May '19 — August '19**

Software Engineering Intern — Python, Angular, TypeScript, Flask, OracleDB, AWS   *Champaign, IL*

- Modernized internal project management web dashboard for PMs and executives, replacing an older deprecated version

UIUC Department of Computer Science   **January '20 — May '21**

Course Staff — CS 196: Freshman Honors   *Urbana, IL*

- Mentored 5 groups of students as Project Manager to produce full stack apps: mobile app giving safest walking routes in cities, a video transcription React web platform, mood tracking mental health web app, a crowd lending network, etc.
- Created and deployed website (**cs196.cs.illinois.edu**) on Apache Server and built grading infrastructure for 200 students

Projects

UIUC Diversity | *Data visualization showing racial disparities of every major*   **lialbert.com/uiuc-diversity**

- Processed 15 years of data to build dynamic visualizations of demographics using d3.js, TypeScript, and Python

Tangram | *Android/iOS social media app with hyperlocal video feeds*   **github.com/albearli/tangram**

- Utilized MySQL, Neo4j, Go, and Python on AWS to create 4-directional swiping of location-based videos on map

Skills

Languages: Python, C++, JavaScript, TypeScript, Java, SQL, Shell
Frameworks + Tools: React, Angular, GraphQL, Relay, Node.js, Flask, MySQL, MongoDB, Neo4j, Linux, Git, Kubernetes