

# Albert Yiliang Li

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## Education

### University of Illinois at Urbana-Champaign

**B.S. in Computer Science**, Minor in Statistics | James Scholar Honors in College of Engineering

May '22

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

Menlo Park, CA

- Working on the Facebook Stories team

### Salesforce: Tableau Software

May '21 – August '21

Software Engineer Intern – C++

Seattle, WA

- Added features to new VizAPI product that parses JSON input and outputs visualizations declaratively
- Spearheaded telemetry infrastructure tracking product data for customer usage and adoption

### Motorola Solutions

June '20 – May '21

Software Engineer Intern – JavaScript, Express, SQL Server, Kubernetes, Azure, C#

Champaign, IL

- Designed Node.js backend cloud service for a radio network monitoring mobile app, 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 – Angular, TypeScript, Python, 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 – Angular, TypeScript, Python, 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](https://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](https://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](https://github.com/albearli/tangram)

- Utilized MySQL and Neo4j DB schema 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, Node.js, Flask, MySQL, MongoDB, Neo4j, Flutter, Linux, Git, Kubernetes