# Albert Li

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## Education

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

**B.S. in Computer Science**, Minor in Statistics | College of Engineering James Scholar Honors          GPA: **3.9** / 4.0

**Relevant Coursework**: Distributed Systems, Computer Security, Database Systems, Algorithms, Systems Programming, Data Structures, Computer Architecture, UI Design, Bioinformatics

## Experience

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

Software Engineer Intern — React, JavaScript, GraphQL, Relay, Hack                                    San Francisco, CA

- Working on the Stories team building new products

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

Software Engineer Intern — C++                                                                        Seattle, WA

- Added core features to new API product creating Tableau visualizations declaratively
- Spearheaded telemetry infrastructure tracking product data for insights in customer usage and adoption

**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

**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

**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 8 groups of students as Project Manager to produce full stack apps and machine learning projects
- Created 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