Albert Yiliang Li

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EDUCATION

University of Illinois at Urbana-Champaign — **May 2022**

Bachelor of Science in Computer Science, Grainger College of Engineering | Minor in Statistics — GPA: **3.93** / 4.00

EXPERIENCE

Facebook — **August 2021 — November 2021**
Software Engineer Intern — *Menlo Park, CA*
- Incoming SWE Intern at Facebook for Fall 2021
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Salesforce: Tableau Software — **May 2021 — August 2021**
Software Engineer Intern — *Seattle, WA*
- Incoming SWE Intern at Tableau for Summer 2021
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Motorola Solutions — **June 2020 — May 2021**
Software Engineer Intern — *Champaign, IL*
- Designed ExpressJS backend cloud service for a radio tower monitoring mobile app, integrated with an Apache Kafka stream for real time notifications, Azure SQL Server, and Kubernetes
- Assisted in building CI/CD pipeline for Node services in Docker and K8 clusters on Azure DevOps
- Improved phone battery life and server load by caching recurring results in SQLite databases on mobile devices

Caterpillar — **August 2019 — May 2020**
Software Engineering Co-Op — *Champaign, IL*
- Increased efficiency of data lookup from 30+ minutes to seconds for 1100+ engineers by building an internal Angular web platform with a Python API, MySQL connection, and OAuth2 authentication
- Cooperated with users and customers to build dynamic data visualizations of financial and equipment data

Ameren — **May 2019 — August 2019**
Software Engineering Intern — *Champaign, IL*
- Created a project management web dashboard for analysts using Angular, Flask API, and OracleDB

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**
- Integrated MySQL and Neo4j DB schema on AWS with API, creating 4-directional swiping of videos based on location

INVOLVEMENT

CS 196: Freshman Honors | *Course Staff* — **January 2020 — May 2021**
- Mentored 3 groups of students as Project Manager to produce full stack apps: video transcription web service in React, mobile app giving safest walking routes in cities, and mood tracking mental health web app in React
- Created and deployed website (**cs196.cs.illinois.edu**) on Apache and built grading automation for 200 students

CS 125: Introduction to Computer Science | *Course Assistant* — **January 2019 — May 2019**
- Directed weekly lab sections of 30 students and held office hours and forum for class of 500+ students

SKILLS

Languages: Python, C++, JavaScript, TypeScript, Java, SQL, Shell
Technologies: Angular, React, Node.js, Flask, MySQL, MongoDB, Neo4j, Flutter, Linux, Git, Kubernetes