

Albert Yiliang Li

albert.yiliang@gmail.com | 309-857-5018 | linkedin.com/in/albs | www.lialbert.com

EDUCATION

University of Illinois at Urbana-Champaign

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

May 2022

GPA: **3.9** / 4.0

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

EXPERIENCE

Facebook

Software Engineer Intern

August 2021 – November 2021

Menlo Park, CA

- Incoming SWE Intern at Facebook for Fall 2021

Salesforce: Tableau Software

Software Engineer Intern

May 2021 – August 2021

Seattle, WA

- Added features to C++ VizAPI microservice allowing JSON input to be parsed into visualizations

Motorola Solutions

Software Engineer Intern

June 2020 – May 2021

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

UIUC Department of Computer Science

Course Staff – CS 196: Freshman Honors

January 2020 – May 2021

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

Caterpillar

Software Engineering Co-Op

August 2019 – May 2020

Champaign, IL

- Built an internal Angular web tool and Python API used by 1100+ engineers daily that increased efficiency of data lookup from minutes to seconds
- Constructed custom dynamic data visualizations of financial and equipment data in TypeScript

Ameren

Software Engineering Intern

May 2019 – August 2019

Champaign, IL

- Created a project management web dashboard for internal management using Angular, Python 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

- 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