

Albert Li

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EDUCATION

University of Illinois at Urbana-Champaign

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

May 2022

GPA: 3.93 / 4.00

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

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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- Incoming SWE Intern at Tableau for Summer 2021

Motorola Solutions

June 2020 – May 2021

Software Engineer Intern

Champaign, IL

- Designed Node.js 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
- Architected CI/CD pipeline for Node services in Docker and K8 clusters on Azure DevOps
- Developed thread safe APIs in C# and .NET to query Azure Data Lake documents in Motorola radio event stream
- 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 machinery data lookup from minutes to seconds for 1100+ engineers by building an internal Angular web platform with a Python API, MySQL connection, and OAuth2 authentication
- Built custom dynamic data visualizations of financial and equipment data in TypeScript

UIUC Department of Computer Science

January 2020 – May 2021

Course Staff – CS 196: Freshman Honors

Urbana, IL

- Mentored 5 groups of students as Project Manager and organized weekly meetings 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, and more
- Created and deployed website (cs196.cs.illinois.edu) on Apache HTTP Server and built grading infrastructure for 200 students

Ameren

May 2019 – August 2019

Software Engineering Intern

Champaign, IL

- Created a project management web dashboard for analysts & product managers 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

SKILLS

Languages: Python, C++, JavaScript, TypeScript, Java, SQL, Shell

Frameworks + Tools: Angular, React, Node.js, Flask, MySQL, MongoDB, Neo4j, Flutter, Linux, Git, Kubernetes