

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: **3.9** / 4.0

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

Experience

Facebook

Software Engineer Intern

August '21 – November '21

Menlo Park, CA

- Incoming SWE Intern at Facebook for Fall 2021

Salesforce: Tableau Software

Software Engineer Intern – C++, Perforce

May '21 – August '21

Seattle, WA

- Adding features to customer facing VizAPI service on the Viz Pipeline Team

Motorola Solutions

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

June '20 – May '21

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

Software Engineering Co-Op – Angular, TypeScript, Python, Flask, MySQL

August '19 – May '20

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 minutes to seconds
- Constructed custom dynamic data visualizations of financial and equipment data

Ameren

Software Engineering Intern – Angular, TypeScript, Python, Flask, OracleDB, AWS

May '19 – August '19

Champaign, IL

- Modernized internal project management web dashboard for PMs and executives, replacing an older deprecated version

UIUC Department of Computer Science

Course Staff – CS 196: Freshman Honors

January '20 – May '21

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

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