

Albert Li

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Education

University of Illinois at Urbana-Champaign

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

May '22

GPA: **3.9** / 4.0

Relevant Coursework: Distributed Systems, Communication Networks, Computer Security, Database Systems, Algorithms, Systems Programming, Data Structures, Computer Architecture, Software Design Studio, UI Design, Bioinformatics, Applied Machine Learning

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
- Created end-to-end tests and unit tests for CI/CD pipeline

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
- Developed a web API used by data scientists to efficiently query files from Azure DataLake filesystem in C# and .NET

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