

# Kevin Chen

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U.S. Citizen | Greater Seattle Area | kchendv.github.io

## EDUCATION

### UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN

#### BSC IN COMPUTER SCIENCE + LINGUISTICS

May 2023 | Champaign, IL

Summa Cum Laude

GPA: 4.0 / 4.0

## EXPERIENCE

### AMAZON | SOFTWARE ENGINEER INTERN

May 2023 - July 2023 | Seattle, WA

React, Node, SQL, Javascript, Typescript, Java, Kotlin, C++

- Unified frontend between Android and iOS, greatly reducing development overhead and cost
- Developed and tested a new React-based rendering workflow, achieving 2x render latency improvement on the Kindle Android client
- Streamlined existing client/server data flow and display components, reducing code complexity and increasing robustness

### AMAZON | SOFTWARE ENGINEER INTERN

May 2022 - August 2022 | Seattle, WA

Java, Python, SQL, Javascript, Typescript, C++, AWS, JUnit

- Designed, presented and developed a keyword retrieval service for consumer purchase suggestions
- Deployed and tested a data aggregation / caching pipeline using AWS services (DynamoDB, S3, Lambda, Cloudwatch, Athena and SQS)
- Performed fallback and stability testing on test builds, merging incremental changes into production environment

### LC@UIUC (STUDENT ORGANIZATION) | PRESIDENT

June 2021 - May 2023 | Champaign, IL

- Coordinate 10 moderators to host events, guest interviews with industry experts / alumni, and other community learning events
- Empower and support community of 200+ undergraduate and graduate students in CS and related fields for studying and professional development

### CS340 INTRO TO COMPUTER SYSTEMS,

### CS126 SOFTWARE DESIGN STUDIO | TEACHING ASSISTANT

December 2020 - May 2022 | Champaign, IL

- Hosted weekly review sessions of programming projects, providing detailed feedback on OOP design, efficiency, test quality and data safety
- Created course and test material on topics such as network systems, process control, Docker containerization and the use of cloud services

## PROJECT HIGHLIGHTS

- Developed a **budget aggregation / visualization utility** that relabels and displays personal finance data, as well as periodic syncing with google cloud storage using **Python, Pandas, urllib, pygsheets, openpyxl, venmo\_api and regex**
- Designed and developed an **web judge / grading platform** with user authority, credential management and performance analytics, using **Python, Flask, Javascript, HTML/CSS, MySQL and SQLAlchemy**
- Implemented **Pagerank and Dijkstra's algorithm** on OpenFlight air travel data using **C++ and Eigen**

## SKILLS

### PROGRAMMING

Proficient:

AWS Lambda • AWS DynamoDB • AWS S3 • AWS Cloudwatch • Typescript • ReactJS • Node.JS • Javascript • SQL • NoSQL • Java • Python

Experienced:

Git • Kotlin • Android • Tensorflow • Keras • C++ • C • Docker • AWS SQS • AWS Athena • HTML • CSS • JSON

### OTHER

Agile • Figma • Testing & Debugging • Technical Doc Writing • Software Design Life Cycle • Code Review

## COURSEWORK

Distributed Systems  
Database Systems  
Applied Machine Learning  
Natural Language Processing  
Data Structures  
Algorithms & Models of Computation  
Systems Programming  
Software Design Studio  
Probability and Statistics / Linear Algebra  
Programming Languages & Compilers  
Discrete Structures

## ACHIEVEMENTS

- **2023** Bronze Tablet Scholar
- **2023** Outstanding undergraduate award
- **2020-2023** Dean's List
- **2021** Best Design, CS340  
Microservice Architecture
- Native fluency in English, Japanese and Mandarin
- Fujifilm photographer & Lightroom editor, with particular interest in nature photography