

KEVIN CHEN

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EDUCATION

University of Illinois Urbana-Champaign

GPA: 4.00 / 4.00

B.S., Computer Science + Linguistics

2020 - 2023

Relevant Coursework: Natural Language Processing, Applied ML, Distributed Systems, Databases, Cloud Computing

EXPERIENCES

Amazon

Seattle, WA

Software Development Engineer Intern

May 2023 - July 2023

- Improved the search result render latency by 10% via the implementation of a React-based WebView solution
- Created new search UI components using React and Node, complete with client-side Javascript data injection
- Led the conversion of Android native RecyclerView components to WebView for OS-agnostic development

Amazon

Seattle, WA

Software Development Engineer Intern

May 2022 - August 2022

- Led the creation of a full-stack trending keyword service on the Kindle mobile app
- Created an AWS data pipeline (SQS, DynamoDB, S3, Lambda, Cloudwatch) that aggregates and caches trending data
- Delivered robust testing and fallback mechanisms for the retrieval and display of trending data

Leetcode @ UIUC (Student Organization)

Champaign, IL

President

June 2021 - May 2023

- Led a career-focused community of 200+ undergraduate and graduate students in CS and related fields
- Conducted weekly interviews with industry professionals such as Amazon, Google, Facebook and LinkedIn engineers
- Confirmed 50+ job offers for community members by providing job-search resources and team-matching

University of Illinois CS 340 (Systems Programming) & CS 126 (Software Design Studio)

Champaign, IL

Undergraduate Teaching Assistant

December 2020 - May 2022

- Hosted weekly review sessions of programming projects in C++ and Java, providing detailed feedback on OOP design, efficiency, test quality and data safety
- Created course and test material on topics including models of processors, low-level programming, memory and file management, network systems, process control, Docker containerization and the use of cloud services

University of Illinois Energy Transport Research Lab

Champaign, IL

Research Assistant

June 2021 - August 2021

- Applied CV object detection techniques in the analysis of water condensation in heat transfer experimentation
- Assisted in the creation of Mask R-CNN droplet detection model via VGG annotator

PROJECTS

Personal Finance Organizer

Python, Pandas, urllib, pygsheets, openpyxl, venmo_api, regex

- Organizes, aggregates and re-labels personal finance data obtained from Mint.com, with custom filtering options
- Uses open-source Venmo API to categorize mobile payment categories based on regex-matched payment message
- Synchronizes monthly financial data with Google Sheets via the Python GSuite API

Text Sentiment Analysis (with Hyperparameter Tuning)

Tensorflow, Keras, numpy, pandas, joblib

- A sequential neural network that predicts the sentiment of product review texts with 94% accuracy rate
- Achieves model optimization through hyperparameter tuning and dropout regularization

SKILLS

- **Technical Skills:** Python, C, C++, C#, Java, Kotlin, SQL, Javascript, Typescript, OCaml, Tensorflow, Docker, ReactJS, NodeJS, MongoDB, NoSQL, GraphQL, JUnit, Mockito, AWS Lambda, AWS DynamoDB, AWS S3, AWS SQS, Git
- **Other Skills:** English (Native), Mandarin (Native), Japanese (JLPT N1), Spanish (Intermediate), Image / Video processing