GRANT CHIU

grantc2@illinois.edu

1074 Springfield Drive
Campbell, CA 95008
(408) 679-1719

EXPERIENCE

Informed.IQ   **San Francisco, CA**
Software Engineer   Nov 2021 – Mar 2023
Venture-backed fintech start up with 50 employees, providing verification services on consumer credit and auto applications using AI
- Optimized extraction algorithms to increase recall and precision rates by 20% for Google OCR data
- Integrated and tested a new API product that accurately calculates applicant income from various documents
- Ensured 100% data accuracy for incoming client information by designing and implementing a RESTful API validator
- Worked on the seamless transition from a monolithic single deployment code base to a microservices architecture
- Developed and maintained Terraform configurations for consistent and reproducible deployments across environments
- Implemented customized metrics for each microservice using AWS CloudWatch, enabling real-time monitoring with dashboards

Equifax   **St. Louis, MO**
Software Engineer Intern   May 2021 – Aug 2021
- Automated new hire workflow through Java microservices in order to optimize and expedite onboarding process for employees
- Utilized Google Cloud Platform's Firebase, Cloud Firestore, and Kubernetes for secure information storage
- Created unit tests for each microservice using JUnit and Mockito which improved workflows by ensuring reliability and security

Kenway Consulting   **Chicago, IL**
Full Stack Developer Intern   Aug 2020 – May 2021
- Developed a web application in Angular that calculates each employee's bonus based on a value-cost projection
- Integrated and tested API backend services for the web app using HTML, CSS, TypeScript, and Postman, ensuring seamless functionality and user experience

AGCO Corporation   **Champaign, IL**
Mobile App/IoT Software Development Intern   May 2020 – Aug 2020
- Improved field service efficiency by creating a geolocation Swift iOS mobile application which connects technicians with workers
- Created a Python program to bridge the app's AWS Kinesis data stream with GPS data pulled from the user's mobile device using MQTT protocol

ATLAS – Student Money Management Center   **Urbana, IL**
Data Analyst Intern   Feb 2020 – May 2020
- Developed and designed a Python program to automate and streamline the data collection process, resulting in up to 600% improvement in future data collection process time
- Utilized Excel, R, and Python to perform data analysis on SMMC's social media platforms, identifying trends and insights that were leveraged to optimize social media engagement
- Developed and delivered data-driven presentations using Tableau and PowerPoint, providing actionable insights that led to client-driven decision-making

EDUCATION

University of Illinois at Urbana-Champaign   **Urbana, IL**
Master of Computer Science in Data Science   January 2024 - Present
- Relevant Coursework: Applied Machine Learning, Database Systems, Cloud Computing Applications

University of Illinois at Urbana-Champaign   **Urbana, IL**
Bachelor of Science, Major in Computer Science and Statistics   Aug 2018 – May 2021
GPA: 3.5 / 4.0
- Elected to overload coursework to graduate one year early.
- Spent two semesters on the City Scholars program simultaneously completing coursework and an internship to offset education costs.

PERSONAL PROJECTS

Machine Learning Restaurant Recommender with React and Flask
- Engineered a collaborative filtering machine learning model for a restaurant recommender system, hosted on a Flask backend and processes Yelp's dataset for tailored suggestions
- Developed and integrated a React frontend and successfully hosted the application on AWS Elastic Beanstalk

Django Web Application
- Developed a movie web application using the Django framework, enabling users to rate movies with IMDB API integration
- Leveraged SQLite as the backend database to store movie information and user ratings

SKILLS
- Programming Skills: Ruby, Java, C++, Python, Swift, C, Verilog
- Web Development: TypeScript, JavaScript, ReactJS, HTML, CSS, Angular, Django, Ruby on Rails
- App Development: XCode, Android Studio, TestFlight
- Server/Hosting: Google Firebase, Amazon Web Services, Microsoft Azure, MySQL, PostgreSQL