

EXPERIENCE**Informed.IQ**

Software Engineer

San Francisco, CA

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

Software Engineer Intern

St. Louis, MO

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 services such as PubSub, 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

Full Stack Developer Intern

Chicago, IL

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

Mobile App/IoT Software Development Intern

Champaign, IL

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

Data Analyst Intern

Urbana, IL

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

EDUCATION**University of Illinois at Urbana-Champaign**

Bachelor of Science, Major in Computer Science and Statistics, Minor in Business

Urbana, IL

Aug 2018 – May 2021

GPA: 3.5 / 4.0

- Elected to overload coursework in order to graduate one year early.
- Spent two semesters on the City Scholars program simultaneously completing coursework and an internship to offset education costs.
- Relevant Coursework: Algorithms and Models of Computation, Statistical Computing, System Programming, Computer Architecture, Data Structures, Discrete Structures, Software Design Studio, Statistical Analysis, Probability and Statistics I and II, Calculus III, Calculus II, Numerical Methods, Programming Languages and Compilers

PERSONAL PROJECTS**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

Code Detection System

- Developed a plagiarism detection system that utilized the Levenshtein distance to analyze differences/similarities between code

ACTIVITIES**Hackathons – Major League Hacking (MLH) Pickhacks, AGCO Accelerator, Datathon, PYGHacks****Aug 2018 - Present**

- Programmed and designed an agricultural marketing website that used Google Firebase, PHP, Microsoft Azure's NLP, and AI Chatbot
- Created a fitness web app with a paired mobile app using Java, HTML, CSS, JavaScript, REST APIs, and Google Firebase

SKILLS

- Programming Skills: Ruby, Java, C++, Python, Swift, C
- 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