KAISEN YE

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SUMMARY

- **Objective:** Seeking Software Developer/Engineer summer intern position in Summer 2022
- **Languages:** Proficient: Python, Java;   Pior Experience: : C++, C#, CSS3, HTML5, JavaScript
- **Frameworks:** Angular, Bootstrap, Docker, Express, Flutter, React, React Native, Spring/Spring Boot, Node.js
- **Databases:** AWS, Firebase, Redis, MongoDB, MySQL, NoSQL
- **Developer Tools:** Android Studio, Git, GitHub, Jupyter, Visual Studio, Eclipse
- **UI/UX Skills:** Adobe (Photoshop, InDesign, Illustrator, XD)

EDUCATION

Indiana University at Bloomington | Bloomington, IN   *Expected May 2023*
Bachelor of Science | **Major:** Information Systems   **GPA: 3.74 / 4.00**
Bachelor of Science | **Major:** Applied Mathematics

- **Academic Honors:** Executive Dean's List, F&D Spencer Scholarship
- **Relevant Coursework:** Business Application Development, Data Structures and Algorithms, Data Management, Digital Solutions with AI, Java Programming, Principles of Software Design

WORK EXPERIENCE

SOSV Venture Capital   **New York, NY**
Data Analyst Intern   *May 2021 – July 2021*

- Initiated a data update strategy using **Webhook** and **urllib2** to sync startups' data (financial reports, CMGR, CAC, customers volume/active users, growth profile, etc.) with ClickUp lists, **saved more than 90% of data transfer time**
- Customized KPI dashboards on ClickUp to track onboarding progress and to improve overall efficiency of data analysis

Freestone Partners, LLC   **Houston, TX**
Summer Analyst   *May 2020 – August 2020*

- Performed industry and company research using **Python** and **Scrapy** to search companies with $10 – 50 million in annual revenue and a potential gross IRR of 20 – 30% in the industry of manufacturing and industrial services
- Conducted financial analysis with **pyfolio** and **QuantLib** for acquiring a $30 million revenue company (Warfab LLC)

PROJECTS AND RESEARCH

Log (iu) Discrete Differential Geometry | C++, Geometry Central, Polyscope   *December 2021 – Present*

- Explored differential geometry in discrete context in topics including curves and surfaces, connections and parallel transport, exterior calculus, Hodge decomposition, and conformal mapping
- Implemented algorithms to process a variety of discretizing theories using **C++** with **Geometry Central** for the back-end processing, **Polyscope** for the front-end rendering, and **GoogleTest** for unit testing

MyLibrary Web App | Bootstrap, Node.js, Express, MongoDB   *December 2021 – Present*

- Designed a pipeline with **Node.js**, **Express**, and **MongoDB** to process and store information of library collections including books, periodicals, newspapers, manuscripts, films, and documents
- Built a responsive and user-friendly website via **Bootstrap**, and customized widgets and icons using **Illustrator**

Real-time Tweet App | Android Studio, Flutter, Dart, Firebase   *October 2021 – January 2022*

- Developed a tweet **Android** mobile app using **Flutter** and **Dart** that allow users to tweet and follow users in real-time
- Leveraged **Firebase** and **NoSQL** to store, secure, process, and analyze users' data, including posts and authentication
- Customized front-end layout including logo, widgets, backgrounds, and color schemes leveraging **Adobe Suite**

Personal Web Page | HTML, CSS, JavaScript   *November 2021 – December 2021*

- Built a personal web page leveraging **HTML** to present professional experiences and project specifics
- Tailored website structure using **CSS** and **JavaScript** to make the overall layout more user-friendly

Algorithmic Trading Robot | Alpaca API, Python, Pandas, Plotly   *September 2021 – November 2021*

- Programmed in **Python** to automate trading activities and market data streaming to test various trading strategies，including technical strategies based on indicators like 14-day RSI, 14-day ADX, 3-day SMA, 3-day EMA, etc.
- Processed and visualized diagnosis asset pricing data from **Alpaca** using **Plotly**, driving a cross-functional data review