YUNHO CHANG

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EDUCATION

University of Illinois at Urbana-Champaign   **Champaign, IL**
B.S. Computer Science and Economics (*GPA*: 3.9/4.0)   August 2024 - December 2026(Expected)

University of Minnesota Twin Cities   **Minneapolis, MN**
B.S. Computer Science   August 2021 - May 2022
Four-Year Merit Global Excellence Scholarships, Undergraduate Research Scholarships

EXPERIENCE

Samsung Electronics | C++, CUDA C++   **Hwasung, Korea**
Product and Data Engineering Intern   June 2025 - August 2025
- Automated process lines equivalence verification, achieving **99% accuracy** to ensure data consistency.
- Executed high-frequency TSV testing on **3,000 vias**, improving fault-detection accuracy **by 2%**.
- Implemented Statistical Process Control for HBM4 quality assurance, lowering defect rates from 1.5%.
- Conducted over-spec thermal stress testing on more than **80 HBM3E core dies**.

Gies Business Research Lab | Python   **Champaign, IL**
Undergraduate Research Assistant   August 2024 - Current
- Scraped datasets of **10,000+ Amazon and Yelp reviews**, supporting research on consumer behavior.
- Built Python scripts to scrape Amazon reviews and Instagram thumbnails.
- Developed sentiment analysis and LDA topic modeling using Pandas and TextBlob.
- Improved data pipeline efficiency **by 40%** compared to the previous code.

Alpha Investment Management Partners   **Champaign, IL**
President   August 2024 - Current
- Analyzed corporate filings to extract financial metrics, including EBITDA, FCF, and leverage ratios.
- Automated DCF models using unlevered FCF and FCFF methods, incorporating WACC, terminal growth, and scenario analysis.
- Delivered equity research reports with investment recommendations, leading to a **24%** average return.

Business Intelligence Group (BIG)   **Champaign, IL**
Consultant   January 2025 - May 2025
- Developed automated tools using Yahoo Finance and Dart APIs, enabling the analysis of **1,000+ regulatory filings** with **95% parsing accuracy**.
- Streamlined the team's data collection workflow, improving data accuracy and update speed **by 65%**.
- Leveraged management consulting frameworks and financial analysis to drive efficiencies and growth.

PROJECT

Alpha Investment Management Partners Website | React, HTML/CSS, JavaScript
- Designed and developed the official AIM Partners website, building a professional online presence.
- Implemented dynamic UI/UX features, including dynamic animations and live financial data.
- Improved accessibility and visibility, resulting in **500+** unique monthly visitors.

D2 Direct | Flutter, Python, React
- Led a mobile application development, resulting in **2,000+ downloads** on the Apple App Store.
- Achieved placement within the **Top 100** Casual Use Apps, demonstrating robust user engagement.
- Devised and executed a sustainable in-app advertising revenue model, optimizing monetization.

Instagram Scraper | Python, Selenium, BeautifulSoup
- Built a scraper to extract Instagram thumbnails and metadata, processing over **8,000 images**.
- Automated dynamic content loading and scrolling with Selenium, reducing data collection time **by 60%** compared to manual methods.
- Exported datasets into CSV format, improving analysis efficiency for downstream research **by 40%**.

SKILLS

Languages: C++, Python, Flutter, JavaScript, HTML/CSS, LaTeX, Bloomberg Query Language
Libraries/Frameworks: Node/React.js, Pandas, TextBlob, Scikit-Learn, Selenium, BeautifulSoup, Bloomberg
Certificates: Bloomberg Market Concepts, Bloomberg Spreadsheet Analysis (BQL), Bloomberg ESG