

Kevin Y. Wu

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EDUCATION

- **University of Chicago** Chicago, IL
• *B.S. - Applied Mathematics & Data Science; GPA: 4.00* Sep. 2020 - Jun. 2024
• *Dean's List: 2020 - 2021*
- **George Walton Comprehensive High School** Marietta, GA
• *GPA: 4.67/4.00* Aug. 2015 - May 2019

SKILLS SUMMARY

- **Computer** C/C++, Python (Pandas, NumPy, GeoPandas), HTML, CSS, data visualization, A/B testing, Racket, L^AT_EX
- **Languages** English (native), Mandarin (native), French (working proficiency)
- **Hobbies** Building LEGO creations, practicing Brazilian Jiu-Jitsu, playing guitar and cello, watching soccer, swimming

PROJECTS

- **Food Security in the United States**
 - *Python, Jupyter Notebook, Data Analysis/Visualization*
 - Analyzed USDA Food Access Research Atlas data to determine demographic and geographic rates of food insecurity
 - Employed GeoPandas to create interactive choropleth maps and Matplotlib for other data visualizations
- **myrap.space**
 - *HTML, CSS, JavaScript, API Implementation*
 - An online freestyle rap tool created using the RhymeBrain API to generate rhymes over an instrumental
 - Won the Wolfram Award at Hack@Brown 2021 in web/app development

EXPERIENCE

- **Weissman Law** Atlanta, GA
• *Closing Operations Intern* Aug. 2021 - Oct. 2021
 - **SoftPro Select:** Fix 1099 exception reports for year-end tax filing and maintain client lookup tables
 - **SoftPro 360:** Send and receive clients' HELOC Release requests in the post-closing process
- **University of Chicago Mathematics REU** Chicago, IL
• *Undergraduate Researcher* Jun. 2021 - Aug. 2021
 - **Research Paper:** Wrote a paper on chip-firing and its use in proving the graph-theoretic analogue of Riemann-Roch
 - **Coursework:** Solved problems and attended lectures in combinatorics, projective geometry, and abstract algebra
- **Becker Friedman Institute for Economics** Chicago, IL
• *Research Assistant* Oct. 2020 - Jun. 2021
 - **Project with Chicago White Sox:** Worked with a team to collect data for the creation of a new player database
 - **Project with Lyft:** Conducted phone surveys with paroled prisoners to analyze their access to transportation
- **MediNinja USA** Marietta, GA
• *Office Administrator* Oct. 2019 - Mar. 2020
 - **Email Marketing:** Increased sales by designing and implementing an email campaign using ActiveCampaign
 - **Web Development:** Contributed to migrating the website to Magento 2.0 using HTML and CSS
 - **Daily Tasks:** Handled shipments, returns, device inspections, and customer inquiries

HONORS AND AWARDS

- LEGO House Design Award (2020)
- Three-time AIME Qualifier (2015, 2018, 2019)
- Eighth Place at Harvard-MIT Math Tournament (2018)

LEADERSHIP AND CLUBS

- **Derivatives Group Quantitative Trading** Chicago, IL
• *Member* Oct. 2020 - Present
 - Learn about options trading, futures contracts, and the Black-Scholes Model
 - Coded a derivative trading strategy in Python for a paper trading project
- **InnovaLUG (LEGO User's Group)** Virtual
• *Member* Sep. 2018 - Present
 - One of 35 members; develop and judge annual online building contests sponsored by the LEGO Group
- **Walton Math Team** Marietta, GA
• *Vice President* Aug. 2015 - May 2019
 - Taught weekly lessons to 80+ members on combinatorics, probability, algebra, and geometry
 - Coordinated fall and summer math camps and biannual math contests for 4th-6th graders
 - One of 45 students selected to compete for Georgia in ARML (American Regions Mathematics League)