Nathaniel Kim

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Education

The University of Chicago, Chicago, IL
BS, Computer Science; BA, Media Arts and Design, June 2027
GPA: 3.6/4.0
Awards: Dean's Scholar Award
Relevant Courses: Calculus III, Intro to Computer Science II, Intro to Proofs in Analysis, Systems Programming II, Discrete Math, Theory of Algorithms, Mathematical Foundations of Machine Learning

The Academy for Information Technology, Scotch Plains, NJ
Certification in Information Technology, June 2023
QPA: 94.55/100; Honor Roll 2019-2023
SAT: EBRW 770; Math 800
Relevant Courses: Multivariable Calculus, Linear Algebra, Data Science & Mathematical Statistics, Advanced Software Development, Database Management, Web Design

EXPERIENCE

Uchicago Security, Usability, & Privacy Education & Research Group, Chicago, IL   Mar 2025 – Present
Research Assistant
- Conducted interdisciplinary research on how artists engage with privacy and security, and what this can teach us about conveying privacy concepts in academic/professional settings
- Designed and developed a MySQL database and a React website to catalog and display artworks related to privacy and security
- Submitted research paper to ACM CHI 2025; currently under review

Deep_Dive, Mexico City, Mexico,   July-Sept 2024
Artificial Intelligence Intern
- Developed a proprietary face recognition system to compare individuals against their government-issued IDs
- Researched and recommended the GhostFaceNets model to best balance performance and resource constraints
- Established internal parameters for GhostFaceNets model and implemented machine learning training to achieve 97% accuracy

Independent Projects

Gym Community App 2024
- Built an app to connect gym-goers by creating an online community with a social media feed, messaging, and community-focused gym features, using React Native for the frontend and Firebase for the backend
- Conducted market and field research to identify user preferences and desired features
- Won 3rd place in The University of Chicago's Summer Tech Showcase competition

Modeling the Future Challenge (Data Science Research Competition) 2023
- Semi-finalist research paper that analyzed the costs and benefits of reducing pollution using data science and math modeling methodologies utilizing python and excel

Data Science Driven Model for Movie Recommendation System 2023
- Created a python program that used least square analyses and model trends in user data to predict user preference for new movies using python

Certifications

CompTIA ITF+; 2019
IC3 Living Online; 2019
Microsoft 365; 2020
CPR; 2022

Skills

Languages: Native English, Fluent Japanese
Computer: Microsoft Word, Excel, PowerPoint, Java, Python, HTML, CSS, JS, C, SQL, Assembly, TensorFlow, AWS, React Native, Firebase, Adobe Photoshop, and Adobe Premiere Pro