

# Nathaniel Kim

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## Education

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### **The University of Chicago**, Chicago, IL

*BS, Computer Science; BA, East Asian Languages and Civilizations, 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

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### **Uchicago Security, Usability, & Privacy Education & Research Group**, Chicago, IL

Mar 2025 – Present

Research Assistant

- Conducted interdisciplinary research on how contemporary artists engage with privacy and security through digital and visual media
- Designed and developed a structured database to catalog and surface artworks related to privacy and security
- Coded artworks with metadata to support computational analysis and searchability

### **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 99% accuracy

## Independent Projects

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### **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 3<sup>rd</sup> 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
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### **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**

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

## **Skills**

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**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