

Ian Kim

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ABOUT

Senior Computer Science student at Texas A&M University. Experienced in delivering robust business-critical asset reporting software. Seeking opportunities to apply iterative improvements through Agile methodologies and diverse technical foundations.

EDUCATION

Texas A&M University

August 2022 – May 2026

Bachelor of Science – Computer Science | Minor – Business | GPA: 3.942/4.0

College Station, TX

- Relevant Coursework: Machine Learning, Applied Cryptography, Artificial Intelligence, Parallel Computing, Scientific Computing, Cloud Computing

EXPERIENCE

Hines

June 2024 – August 2024

Software Development Intern

Houston, TX

- Developed an interactive MapBox GL JS visualization for global property reporting.
- Integrated Azure Blob Storage, allowing separation of concerns between storage and web app hosting.
- Completed training in commercial real estate finance through Hines Analyst Boot Camp Week and Eastdil Secured Virtual Real Estate Finance Training Program, and Break Into CRE, building foundational knowledge to support investment cycle reporting solutions and reducing ad hoc clarification time by 50%.

Hines

June 2023 – August 2023

Software Development Intern

Houston, TX

- Designed and developed front-end modernization of expense reporting software from Django templating to Next.js, boosting user satisfaction by 30% within the accounting department.
- Implemented Google Maps Platform Places API, WYSIWYG, and deal document preview, improving UI convenience for 3000+ employees globally.
- Directly collaborated with stakeholders, accelerating cross-client development.

Hines

June 2022 – August 2022

Software Development Intern

Houston, TX

- Maintained Django-based software assisting the global investment pipeline.
- Achieved time-to-proficiency within 3 weeks, increasing development sprint involvement period by 1 month.
- Translated and documented Ubuntu-based development environment to Windows and PowerShell.

SKILLS AND ABILITIES

General Programming: Python, C/C++, JavaScript, Java

Application Development: React.js, AWS, Docker, PostgreSQL, Next.js, Django, Tailwind, Node.js, jQuery, FastAPI, HTML, CSS, PyTorch, Numpy, Pandas

Other: Agile Methodologies, Git (GitHub, GitLab, Bitbucket), Microsoft Excel, Bash, PowerShell

ACTIVITIES

Sketch Recognition Lab

September 2025 – November 2025

Undergraduate Researcher

College Station, TX

- Implemented OpenGL stylus visualizer with stereoscopic vision.
- Researched improvements to the particle swarm optimization algorithm (PSO) and explored physics-informed neural networks (PINN) to correct tracking data for magnet-based stylus in mid-air.

PROJECTS

- **Stackbox** – Study of 3D mesh manipulation. Rental income visualization platform and automated stacking plan generator from a 3D digital file. Used MapBox GL JS, Trimesh, Next.js, FastAPI, PostgreSQL, and AWS.
- **UWP Sound Test** – Study of Windows API. Sound environment simulation using digital signal processing. Used Microsoft Visual C++, Windows Media Foundation, and Windows Core Audio API.