Joonhyuk Nathanael Kim

454 Stanford • Irvine, CA 94305 • Joonhyuk.kim.101@gmail.com • 903-505-2655

Education

University of California, Irvine
Irvine, CA
B.S. Computer Engineering

Experience

Archv
Irvine, CA
Founder & CEO   June 2025 – Present

- Founded and led design + development of a **secure AI platform** delivering RAG-based systems for legal and healthcare clients under HIPAA and federal data compliance.
- **Designed and launched full-stack products** from MVP to deployment and building scalable, accessible interfaces (React, Node.js, PostgreSQL) with modern UI systems.
- **Owned the front-end and user experience**, translating complex data workflows into intuitive dashboards and responsive web layouts for enterprise users.
- Collaborated cross-functionally with engineers and clients to iterate on user pain points, resulting in faster task completion and **5 successful pilot partnerships**.
- Led **marketing and product branding**, producing visual campaigns and prototypes that increased inbound demo traffic by **70%** within three months.
- Directed go-to-market strategy and technical compliance documentation (DPA, SLA, TOS), ensuring zero security incidents across pilot deployments.

MedVanta
Bethesda, MD
Junior Software Engineer   July 2024 – February 2025

- Designed and implemented **HIPAA-compliant product interfaces** for internal healthcare tools connecting third-party APIs and patient systems.
- Worked in **Agile sprints** to translate user feedback into front-end improvements, resulting in more efficient clinician workflows and better data clarity.
- Collaborated with design to prototype **scalable full-stack MVPs optimized** for usability and performance.
- Supported **end-to-end product design flow**, balancing rapid development cycles with strict regulatory and accessibility requirements.
- **Designed and implemented a HIPAA-compliant mobile interface** that simplified complex healthcare workflows into a clean, intuitive experience for users.

UAV at UCI
Irvine, CA
President   April 2024 – September 2025

- Led a 25 member team by streamlining **cross team coordination**, securing resources, and driving on time delivery of innovative **UAV prototypes**
- Increased **rotor speed capability from 3,800 RPM to 4,200 RPM**, improving lift efficiency and hover stability under variable payloads
- Integrated a **lightweight carbon-fiber airframe that reduced vehicle weight by 12 percent**, extending flight time by 18 percent while maintaining structural rigidity