

# Kevin (Hyungyeon) Cho

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github : [github/ohcnivek](https://github.com/ohcnivek)  
substack : [substack/wagmi](https://substack.com/wagmi)

## EXPERIENCE

### META, FORMERLY FACEBOOK.

New York, NY

#### Senior Software Engineer

2023 – Current

##### Instagram Product Infrastructure

- **Designed XTypes, a framework in Instagram Server that prevented serialization latency regressions by default** during the IG WWW migration – exercised to serve millions of Feed requests every day.

##### Wearables (eg. Meta Ray Bans) Infrastructure

- **Built & scaled w1 across Wearables, saving over \$2.2M in engineering hours in a single half** – delivered cached & incremental build artifacts to AOSP devs, partnered with data science to surface a \$16M opportunity across Reality Labs, & led a team of 4 cross-org engineers to decomp problems & drive investments.
- **Tech Lead for [redacted] device's infra** – scoped & staffed numerous infra workstreams – Buck-ification of a third-party build system, reverse-engineering third-party tooling for CentOS, CI/CD test infrastructure from lab hardware to diff signal, firmware emulation, & inner-loop validation on remotely-leased devices.
- **Raised the quality bar of Meta Neural Wrist Band & its Data Collection Program** – owned the infra keeping the on-device ML model stable via analog & digital EMG signal injection; secured senior leadership investment to install J-Links across labs.
- **Proved firmware emulation possible for Meta Neural Wrist Band in 3 days** – refactored 1000s of lines device code & ran the firmware in QEMU with the same connectivity stack as the physical device – proving a path to massive lab capacity savings for multi-device tests. Demoed to VP in London; a 5-engineer team was spun up to drive the effort.
- **Enabled remote debugging of Android-based Wearables devices** – stored debug symbols in CI, hooked LLDB scripts into Meta's internal LLDB fork, & shipped the workflow inside the internal VS Code extension.

### GECKO ROBOTICS (Founders Fund, YC W16)

Boston, MA

#### Software Engineer

2023

- **Standardized how Gecko translates XX,XXX+ objects into schemas** – owned design & rollout of the geometry ontology project end-to-end.
- **Automated migration of legacy data models onto the new ontology** – abstracted siloed business logic & dependencies across both core enterprise products.
- **Decoupled the core data pipeline to handle every inspection data type** – redesigned the job graph from the ground up with a cross-functional team.
- **Caught package license violations at diff time** – shipped a validator that gated every PR across the software org.

### AVIATOR (YC S21)

Mountain View, CA

#### 5th Engineering Hire

2022 – 2023

- **Migrated Aviator's enterprise dashboard & API to React, Next.js, & Tailwind** – led the end-to-end move off Flask + Jinja.
- **Shipped Aviator's enterprise onboarding flow end-to-end** – designed & built the internal design system, data schemas, API endpoints, & Next.js frontend (aviator/onboarding).

### COLLEGE OF COMPUTING @ GT

Atlanta, GA

#### Data Structures & Algorithms TA

2020 – 2022

- "We love Kevin! :)" - source: fall 2021 anonymous student course evaluation

## EDUCATION

### Georgia Institute of Technology

Atlanta, GA

Bachelors of Science in Computer Science – threads: information networks and media

## SKILLS & INTERESTS

Languages/ Frameworks: React, Next.js, Typescript, Relay, Flask, Python, GraphQL, Hack/ PHP, Java, SQL, CSS (tailwind), HTML

Interests: sauna hats, running, art history / fine arts