

# Yosub Shin

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## Experience

Scenery, San Francisco CA

February 2023 - May 2024

*Senior Software Engineer*

- Built [Scenery](#) (backed by Greylock, Craft, Figma), a collaborative cloud video editing software, as an early engineer
- Built Scenery's AI Editor feature, giving users ability to automatically cut down hours long raw-video contents
- Built AI-based auto re-framing feature, useful for publishing to social platform, got featured at NAB conference
- Built AI-based Transcription and Auto Subtitle generation, key features for free users to upgrade to paid accounts

JagalJagal, Seoul, South Korea

June 2021 - January 2023

*Founder, CEO*

- Built TeraSync: Video synchronization software for Reality TV show productions
- Reduced time to sync a single episode of a reality TV show by 90% (from 20 hours to 2 hours) through synchronization algorithm, parallel execution on GPU, and an Electron.js app to minimize manual operation
- Went from 0 to \$70k revenue in less than a year and customers include major TV & entertainment companies (SBS, YG Entertainment, TV Chosun, MBN) of S. Korea
- Selected as one of 40 Korean startups to receive ~\$50k in grant in Global Startup Academy program

Samsara, San Francisco CA

February 2016 - December 2020

*Senior Software Engineer II*

- Joined as 10th software engineer at Samsara (NYSE:IOT) and delivered more than 8 distinct Fleet product features (Driver HoS, Routes, Vehicle Inspection, Messaging, Custom Documents, ETA Sharing, Preventative Maintenance, Scheduled Reports) that became responsible for over \$150M in ARR
- Owned the technical architecture of the Compliance team (team of 20 people), the central piece of Samsara's Fleet business unit, as it grew from a new entrant to one of the leaders in the ELD market (> 10% [market share](#))
- Led Persist Unassigned Hours of Service (HoS) project in order to meet a requirement of one of the largest customers of Samsara (e.g. ArcBest, 14th largest for-hire fleet in the US). The success of the project unlocked Samsara's ability to sign large customers (> 100k ARR) because the feature is required by almost all of Samsara's enterprise fleet customers
- Led Routing team (team of 5 people) to design and implement a Vehicle Routes system using Finite State Machine and immutable audit logs and eliminated non-deterministic behaviors that frequently led to customer complaints in the existing system. The system received a patent ([US11145208](#))
- Designed and implemented SyncStore, Samsara's offline state management framework for its mobile app with more than 100k daily active users, and eliminated the single most cause of the customer issues from mobile app users: customers edits disappearing. More than 10 distinct features within Samsara Driver App adopted the new framework due to its benefit over previous approach. The framework was featured on Samsara's [engineering blog](#)

Google, Mountain View CA

May 2015 - August 2015

*Software Engineering Intern*

- Implemented algorithms that enable efficient curations of Google's revenue logging system

IDINCU, Seoul Korea

May 2012 - December 2013

*Software Engineer*

- Implemented Load Balancer of cloud service deployment system using HAProxy, enabled continuous availability
- Implemented SMS gateway system, with smooth failover support using ZooKeeper's leader selection algorithm
- Designed RPC daemon server with RabbitMQ to control customers accesses to web servers
- Built back-end daemon to filter users from their inputs, increasing the operators' efficiency by order of 100 times

# Education

University of Hawai'i at Mānoa, Honolulu HI

May 2024

- Post-baccalaureate Unclassified student

University of Illinois at Urbana-Champaign, Urbana IL

December 2015

- Bachelor of Science in Computer Science, Graduated with Highest Honors

GPA : 3.90 / 4.00

## Skills

- Programming languages : Python, TypeScript, Go, HTML, CSS
- Technologies : React, ReactNative, Electron.js, Node.js, MySQL, GraphQL, Firebase
- Video Editing / Graphic Design Softwares: Adobe Premiere, Apple Final Cut Pro, InDesign, Illustrator, Photoshop
- Spoken Languages : English, Korean

## Awards & Publications

Global Startup Academy, Seoul South Korea

June 2021

- Selected as one of 40 South Korean startups to receive government grant worth ~\$50k and participate in a startup accelerator program

IEEE International Conference on Cloud and Autonomic Computing, Cambridge MA

September 2015

- Accepted as first author for poster presentation of "Parqua: Online Reconfigurations in Virtual Ring-Based NoSQL Systems"

Mechmania XXI, Urbana IL

October 2015

- Built AI algorithm that competes against other teams in game where each player has to conquer most resources
- First place among 10+ teams from various universities in US

PennApps XII, Philadelphia PA

September 2015

- Ultimate VR Minigolf: Fully immersive VR minigolf experience with haptic feedback
- Top 10 finalists among 2000+ participants from all over the world

HackIllinois, Urbana IL

March 2015

- OculuScooter: Virtual scooter simulator which uses real scooter handle and user's own foot as inputs
- Won first place in hardware hacks among 900 participants and 180 projects

Korea Student Aid Foundation, Seoul South Korea

May 2008

- Selected as one of 10 South Korean incoming university students to study in foreign university with full scholarship (~\$50k / year, \$200k for 4yrs)