

Mark Yoon

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EXPERIENCE

YouTube

Software engineer / 2019 - Present

Python, C++, Polymer, Redux, Typescript

- Built the new live streaming creation flow that ties together many parts of the YouTube systems. Used reusable UI components and wrote tests to ensure future reliability.
- Designed and built the backing system for a new live streaming creation flow, creating a more familiar user journey for existing YouTube live streamers.
- Refactored a critical client-side poller to fetch data to determine the state of a broadcast. Integrated the poller in Redux and managed the derived state.
- Improved the copy and create flow for live streamers on YouTube to streamline the creation experience.
- Contributed to the migration of components and systems from Javascript to Typescript/Redux.
- Created and maintained analytics dashboards to assess launches and keep track of product health.

Cisco Meraki

Software engineer / 2016 - 2019

Ruby on Rails, React and Redux, PostgreSQL

- Led cross team project to create a new core business page. Allows customers to monitor the health of the devices through data visualization.
- Contributed to and maintained a standardized React component library used throughout the product.
- Designed and implemented a product API that allows enterprise customers to programmatically monitor and configure their devices. Added GDPR compliance and integrations with other Cisco products.
- Created a new onboarding flow for adding devices. Made it easier for customers to add devices to their network and get introduced to device management concepts.
- Migrated the existing proxy machines for devices to bigger machines. Worked with AWS and Ansible to bootstrap new machines and oversaw the live swap of the machines as devices were checking in.
- Reduced tech debt, managed releases, mentored new employees, and conducted interviews.

ACADEMIA

Cornell University

B.S. in Computer Science / Class of 2016

Software Engineering | OO/Functional Programming | Algorithms
Operating Systems | Distributed Systems | Artificial Intelligence

Yu lab

Research assistant / 2014-2015

Javascript, Python

- Designed and implemented a web application for protein network and interaction modeling using d3.js.