

Johnathan Tran

Fullstack Software Engineer

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Software Developer skilled at technical leadership, communication, and presentation. Experienced in full project life cycle and has solved real-world problems utilizing the following skills: *stakeholder communication software design, UI/UX design, implementation, integration, business analyst, presentation.*

Education

Bachelor of Science: Computer Science

University of California, Irvine - Irvine, CA

Work History

2020-01 - Current

Software Development Engineer, Amazon Alexa

Amazon.com, Irvine, CA

- Innovate and build best 10 feet Video experience in living room powered through Alexa through Fire TV CX integrations.
- Identify and fix data ingestion process to recover 2-5% of missing production data in both NA and EU users of Alexa Video related events
- Plan and develop interfaces that simplified overall management of onboarding 20+ Fire TV devices onto Alexa Video ecosystem every year.
- Work with video streaming partners to develop a new Alexa API which enables them to on-board shortcuts to their apps so that Alexa can navigate them to any page on their app. "Alexa, play something on Netflix"
- Onboard 3+ new hires.
- Orchestrated efficient large-scale software deployments while serving as weekly oncall once a month.
- Consulted with engineering team members to determine system loads and develop improvement plans for peak planning on days such as Prime Day, Black Friday, and Christmas.

2017-10 - 2020-01

Software Development Engineer, Personalization

Amazon, Irvine, CA

- Optimize utilization of EC2 instances from 88% to 96% which lead to \$9k/yr in savings
- Implement, conduct, and analyze 7+ A/B test experiments on eBook

recommenders and algorithms to help stakeholders and organization push the bottom line profit margins by 15+ million USD

- Develop and integrate series deduping filter for e-book recommenders so that Amazon only show the entry in a series where a customer has left off.
- Organize discussions to improve operation excellence and work through disagreements by analyzing data trends and improving meeting processes

2017-01 - 2020-08

Student Web Developer

University Of California, Irvine, Irvine, CA

- Create APIs on EEE Scout, an online survey tool for all UCI affiliates, to allow users to create, retrieve, update, and delete form data utilizing AngularJS framework and PHP endpoints.
- Work with SCRUM-based team to prioritize, point, and align sprint items to meet multiple deadlines.

2015-06 - 2016-06

Web Development Intern

The Portal, Irvine, CA

- Deliver 4+ MEAN stack applications for clients, implementing mobile geolocation features, Shopify web app integrations, Twilio API calls, and more.

Projects

Video Streaming Navigable Targets (Fall 2021 expected release. Press:

<https://tinyurl.com/48essuny>)

- "Alexa, Play Something" from Netflix".
- 3P video partners can onboard onto new API in Alexa Video Skills Kit to provide navigable targets via voice.
- Write documentation and sample app for partners to use.

Amazon.com Kindle Book Recommenders (<https://www.amazon.com/Kindle-eBooks/>)

- Improve similarity engine to provide better e-book recommendations using better genre cataloging. Example: "For You in "
- Remove duplicate series titles in recommenders
- Add manga recommenders to amazon.co.jp.
- Create CMS guide for product managers to add new recommenders to amazon.co.jp.

Bubble Buddy (<https://tinyurl.com/7237hkaz>)

- Virtual companion webapp presented at Autism App Jam 2016 and awarded the 2nd place prize and Hype Award prize for best social media outreach
- Colead MEAN stack implementation creating MongoDB queries to create, retrieve, update, and delete Bubble Buddy's question database and front-end logic to control question readiness animations and logic.
- Create music and art design