

Roland Shen

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EDUCATION

University of Southern California
B.S. Computer Science/Business Administration, Junior

May 2022
GPA: 3.88/4.0

EXPERIENCE

Microsoft | Redmond, WA
Software Engineering Intern

May 2020 – Aug 2020

- Designed an in-memory storage and retrieval system on the Dynamics Fraud Protection API team.
- Implemented prefetching pattern that improved request latency of purchases by up to 50ms.
- Built a distributed caching service with expirable items. Worked with team to iterate and improve design.
- Learned Orleans (distributed computing framework), C#, monitoring/telemetry, and unit testing practices

Apple | Cupertino, CA
Software Engineering Intern

May 2019 – Aug 2019

- Wrote developer content and sample code for tvOS and SiriKit on Developer Publications team.
- Collaborated with tvOS, SiriKit, Core OS, Localization, Maps teams for content production/code review.
- Developed 5 sample code apps, documented 8 new features/classes, curated 1 full framework.

Edu.Chat | New York, NY
iOS Development Intern

June 2017 – Aug 2017

- Developed key features of mobile app including chat list and invite feature. Implemented new REST APIs.

TECHNICAL SKILLS

Highly Proficient: Swift, Java, Git, JavaScript, React, HTML/CSS, Node, Express, Next.js, MongoDB

Proficient: C++, jQuery, SQL, Figma, C#

PROJECTS

Imprint (<https://imprint.to>)

- Developed, designed, and marketed a social blogging platform with an emphasis on content ownership.
- Implemented features like custom domain support and newsletter subscriptions on the MERN stack.
- Worked with industry mentors in Mozilla's Startup Incubator, raised 16k in grant funding
- Recruited and built team of 5 in engineering and growth

MeetPass (<https://meetpass.io>)

- Web/mobile cross-platform application that uses QR codes to share contact and social media info.
- Built custom backend/RESTful API in Node and Express; data stored in MongoDB.
- Featured as top 5 product of day on ProductHunt, a product curation website.

Transcribe (App Store URL: <https://apple.co/2TpZY48>)

- Mobile speech to text transcription intended to hasten journalists' reporting process.
- Tool used by various reporters including award winning Falcon Newspaper staff.

INVOLVEMENT

SparkSC
Board Member

Jan 2019 – Present

- Founded Spark Accelerator: built network of faculty, VCs, and student mentors to scale 3 student startups
- Built Blueprint, an online community of entrepreneurially minded builders and thinkers.

LavaLab
Founder, Developer

Feb 2019 – May 2019

- USC's premier startup incubator; was a full stack iOS developer on a team with a PM and designer.
- Developed a mobile-first CRM for gig workers. Won judge's award for best product at demo night.