

BRYAN C. TONG

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btong.me

EDUCATION

University of California, Berkeley

Aug 2015 – May 2019

B.A, Computer Science

· Relevant coursework:

Database Systems	Computer Graphics	Internet Architecture
Computer Architecture	Artificial Intelligence	Computer Security
Intractable Problems	Discrete Mathematics	Information Devices

EXPERIENCE

Augmented Cognition Lab / Robotics Learning Lab

May 2018 – Aug 2018

Software Engineer / Researcher

Berkeley, CA

- Directed R&D and engineers, implemented MVPs with Unity, C#, Go, Ruby, ROS
- Contributed full-stack features: API endpoints, backend integrations, 2D & VR UI
- Assisted in deployments with CI/CD, studied Kubernetes (K8s), GCP integration

Nokia Bell Labs

May 2017 – Aug 2017

Software Engineering Intern

Sunnyvale, CA

- **Full-stack R2D** for a cross-platform, enterprise-scale communications app.
- Sole developer for an AR client, using and researching ARKit since day 0 release.
- Co-developed web client in **React, Redux JS, d3, Electron, Socket.io** rapidly.
- Contributed thousands of lines of production code, deployed via **Docker**.
- Worked in bi-weekly sprints, organized in **SCRUM** agile framework.

Virtual Reality at Berkeley

August 2016 - Current

President (Prior: Project Lead, 2016 – 2018)

Berkeley, CA

- Scaled to 120+ developers, 400+ members, grew revenue and donations by 10x
- Hosted VXPC and SodaHacks, Berkeley's largest VR conference and hackathon.
- Established partnerships with **Augmented Cognition Lab** under Dr. Allen Yang, and **Robotic Learning Lab** under Dr. Pieter Abbeel, for VR robotic teleoperation.
- vr.berkeley.edu | vr.berkeley.edu/sodahacks

SIDE PROJECTS

Whitespace AR

Aug 2017 – June 2018

AR / VR Software Engineer

- **Co-developed** AR wall-art interior decoration application in ARKit, Xcode beta.
- Employed **AR / CV** principles to tweak ARKit code for improved low-light, blank wall functionality due to lack of target points on blank walls.
- Rigged artwork to pull from **Shopify SDK, Firebase** with Apple Pay checkout.

ADDITIONAL INVOLVEMENT

CS 370 Head TA & Co-Instructor

Summer '18 – Spring '19

ASUC Deputy Director of Entrepreneurship & Technology

Fall '18

CS 61A, CS61C Tutor

Spring - Fall '18

TECHNICAL SKILLS

Languages: C, C#, HTML / CSS, Go, Java, Javascript, LISP, Python, SQL, Swift

Frameworks: React JS, Redux JS, Node JS, Firebase, d3.js

Design: Photoshop, Illustrator, After Effects, Zeplin, Sketch