BRYAN C. TONG

btong@berkeley.edu
Cell: on request
github.com/bbtong | btong.me

EDUCATION

University of California, Berkeley *Aug 2015 – May 2019*
B.A, Computer Science *Focus in Cognitive Science*
· Relevant coursework:

Data Structures	Artificial Intelligence	Internet Architecture
Computer Architecture	Database Systems	Computer Security
Programming	Discrete Mathematics	Information Devices

EXPERIENCE

CS370: Computer Science Pedagogy – UC Berkeley *June 2018 - Current*
Co-Instructor, Head of Software (Summer '18) *Berkeley, CA*
- o Developed and deployed automated appointment system to scale infrastructure.
- o Wrote system **with React, Firebase** to rapidly prototype with RESTful design.
- o Refined course curriculum, **co-taught weekly lectures**, 6 hours a week.
- o inst.eecs.berkeley.edu/~cs370 | cs370scheduler.org

Nokia Bell Labs *May 2017 – Aug 2017*
Software Engineering Intern *Sunnyvale, CA*
- o **Full-stack R2D** for a cross-platform, enterprise-scale communications app.
- o Sole developer for an AR client, using and researching ARKit since day 0 release.
- o Co-developed web client in **React, Redux JS**, **d3, Electron, Socket.io** rapidly.
- o Contributed thousands of lines of production code, deployed via **Docker.**
- o 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*
- o Scaled to 120+ developers, 400+ members across internal teams and consulting.
- o Hosted VXPC and SodaHacks, Berkeley's largest VR conference and hackathon.
- o Established partnerships with **Augmented Cognition Lab** under Dr. Allen Yang, **and Robotic Learning Lab** under Dr. Pieter Abbeel, for VR robotic teleoperation.
- o vr.berkeley.edu | vr.berkeley.edu/sodahacks

SIDE PROJECTS

Whitespace AR *Aug 2017 – June 2018*
AR / VR Software Engineer
- o **Co-developed** AR wall-art interior decoration application in ARKit, Xcode beta.
- o Employed **AR / CV** principles to tweak ARKit code for improved low-light, blank wall functionality due to lack of target points on blank walls.
- o Rigged artwork to pull from **Shopify SDK, Firebase** with Apple Pay checkout.

ADDITIONAL INVOLVEMENT

ASUC Deputy Director of Entrepreneurship & Technology *Fall 2018*
CS 61A Tutor *Summer, Fall 2018*
CS 61C Academic Intern *Spring 2018*

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