BRYAN C. TONG

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github.com/bbtong
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

Pivotal Software   *June 2019 - Present*
Associate Software Engineer   San Francisco, CA
- o   Contributed to open source code in Cloud Foundry, BOSH, OpenStack
- o   Developed internal tools to automate VM deployment and CI/CD pipelines
- o   Worked in rapid, full-stack development: Golang, Ruby (Rails), CoffeeScript, React

Augmented Cognition Lab / Robotics Learning Lab   *May 2018 – Aug 2018*
Software Engineer / Researcher   Berkeley, CA
- o   Directed R&D and engineers, implemented MVPs with **Unity, C#, Go, Ruby, ROS**
- o   Contributed full-stack features: API endpoints, **backend integrations, 2D & VR UI**
- o   Focused on preliminary research in VR robotic teleportation, **HCI**, gesture controls

Nokia Bell Labs   *May 2017 – Aug 2017*
Software Engineering Intern   Sunnyvale, CA
- o   Developed AR communications client, implemented in 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**

PROJECTS

Whitespace AR   *Aug 2017 –June 2018*
AR / VR Software Engineer
- o   Developed AR algorithm related to vertical wall tracking in ARKit beta / Xcode 10
- o   Implemented **light-normalized contrast detection** to improv low-light tracking
- o   Integrated iOS native app with **Shopify SDK, Firebase** with **Apple Pay** checkout.

LEADERSHIP

Virtual Reality at Berkeley   *August 2016 - Current*
President (Prior: Project Lead, 2016 – 2018)   Berkeley, CA
- o   Scaled to 120+ developers, 400+ member; grew revenue and donations 10-fold
- o   Organized 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

ADDITIONAL

CS 370 Head TA & Co-Instructor   *Fall '18 – Spring '19*
ASUC Deputy Director of Entrepreneurship & Technology   *Fall '18*
CS 61A, CS61C Tutor   *Spring '18*
US Citizen