ANKUSH GOLA

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1 Nashua Street · Boston, MA 02114

EDUCATION

Princeton University · Princeton, NJ   June 2015
B.S.E. in Electrical Engineering, with Honors
Selected Coursework: Operating Systems · Advanced Programming Techniques · Lightwave Communications · Quantum Computing · Building Real Systems · Image Processing · Computer Vision · Automatic Control Systems

Activies: IEEE · Wind Ensemble (Alto Saxophone) · Sigma Xi Research Honors Society

SELECTED AWARDS

The Bradley Dickinson Award (Co-Recipient) · *Princeton Dept of Electrical Engineering*   June 2015
Awarded to a senior with an outstanding record in the design and implementation of complex electronic systems.

HackPrinceton · *Princeton Entrepreneurship Club*   Fall 2012-Spring 2015
Three times first place winner (fall 2012, spring 2013, spring 2015) and one time second place winner (fall 2014) in hardware at semi-annual Princeton-hosted hackathon.

Greylock Hackfest · *Greylock Partners*   Summer 2013-Summer 2014
One time overall second place winner ($5000 in prizes, accolades from several top Silicon Valley CEOs) and one time finalist (top 10) in the prestigious, invitation-only hackathon in San Francisco.

RECENT WORK EXPERIENCE

Facebook Inc. · Cambridge, MA   August 2018 - Present
Senior Software Engineer

Currently a member of Facebook's Data Warehouse team in Cambridge, MA, where I am working on implementing data warehouse sampling at scale.

Facebook Inc. · New York, NY   August 2015 - August 2018
Software Engineer

Worked on several perf/efficiency projects for the Facebook family of mobile apps (primarily iOS): FBRetainCycleDetector (opensource), a cross platform disk-caching library (Android and iOS), an automatic memory leak detection tool for iOS, a memory-dump collector and analysis tool for iOS, and an app responsiveness measurement system for iOS.

SELECTED PROJECTS

Squat IQ · (Independent)   January 2017 - Present
A sensor system designed to diagnose issues with squat technique in athletes. Consists of pressure sensing shoe insoles, a depth sensor, and a computer model that evaluates the foot position throughout the movement, labeling positioning errors, their severity, and where in the movement they happen.

Produce-AR · (Independent)   October 2017 - Present
An augmented-reality music production application for iOS that allows the user to connect bluetooth peripherals and arrange soundclips in 3D.

Dynamic Baseline Binocular Stereo with Multirotor UAVs · (Undergraduate Thesis) July 2014 - May 2015
A dynamic, wide baseline stereo vision system that produces novel depth-perception enhancing effects in 3D cinema by filming left and right perspectives with independent UAVs. Utilized techniques from machine learning, control theory and computer vision.

SKILLS

Languages & Frameworks	C, C++, Objective C, Python, Java, Scala, OCaml, PHP, ARM, iOS, Android
Misc.	Linux, Mercurial, Git, Arduino, Ableton Live, Presto, Hive, Spark