

ANKUSH GOLA

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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

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

SELECTED AWARDS

The Bradley Dickinson Award · *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. Record for most first place wins in hardware category since competition started.

Princeton Pitch · *Princeton Entrepreneurship Club*

Fall 2014

Second place winner in annual elevator pitch contest. Over thirty teams participated.

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. · New York, NY

August 2015 - Present

Software Engineer

Worked on a mobile disk caching library that backs most mobile products on iOS and Android. Created a heap dump tool for iOS apps and currently working on in-house tools to analyze these dumps for memory usage problems.

Princeton Dept. of Electrical Engineering · Princeton, NJ

February 2015 - May 2015

ELE 302 Lab TA

Assisted students in debugging code and circuitry for capstone junior-year design course.

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. Currently working with sports science experts to predict muscle imbalances and mobility issues with this data.

Dynamic Baseline Binocular Stereo with Multirotor UAVs · (Senior 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.

Bernice · (Team of two)

February 2014 - May 2014

A small vehicle that is controlled from a virtual reality station, both built from scratch. (Cypress PSoC, Arduino, Raspberry Pi, XBee, C)

SKILLS

Languages & Frameworks

C, Python, Java, OCaml/ML, Django, IA32, MIPS, OpenCV, IPython

Misc.

Unix/Linux, Git, Embedded Computing, UAVs, Arduino, Raspberry Pi