

Akshaya Uttamadoss

akshaya.uttamadoss@gmail.com ♦ akshayau.github.io ♦ (732)-439-5876

Education:

Princeton University, Princeton, NJ

June 2015

Major: Electrical Engineering

Relevant Coursework: Algorithms and Data Structures, Introduction to Systems Programming, Computer Architecture, Designing Secure Systems, Operating Systems, Functional Programming

Campus Activities: Laboratory Teaching Assistant for the Computer Science Department

Skills:

- Proficient in PHP, Java, Python, JavaScript
- Experience with web development using React, NodeJS, and Ruby on Rails
- Experience with SQL, Android Programming, and UNIX

Projects:

PillowTalk - Virtual Health Assistant

March 4-5 2017

Online virtual assistant that helps users anonymously assess their risk for HIV and find nearby clinics to get tested.

(<https://pillowtalksf.herokuapp.com/>) Won 1st place at the USF Tech4Good Hackathon 2017.

Histogram - Final Project For Applications of Programming (COS 333)

Feb-May 2014

Web application consisting of a Chrome Extension and Django site that gives users graphical analytics on their browsing patterns. It also generates recommendations for new websites based on similarities in browsing patterns with friends.

Segway Bot - Final Project For Building Real Systems (ELE 302)

April-May 2014

Two-wheeled robot that uses inverted pendulum principals and PID control loops to balance itself. The robot is also controllable via Bluetooth using an Android application.

piAngulate - Acoustic Triangulation

July 27-28, 2013

Raspberry Pi based system to locate the source of noise using acoustic triangulation. Finalist at Greylock Hackfest 2013.

Scary Monsters and Nice Lights - Dubstep Laser Harp

Nov 9-11, 2012

Hardware sound synthesizer which produces modulated sounds when the lasers, which act like the harp's strings, are broken. Won 1st Place in Hardware and Coolest Hack Award at HackPrinceton.

Work and Internships:

Facebook Menlo Park, CA

Sept 2015 - March 2017

Software Engineer - Quick Promotions Team

Improved Facebook's primary communication channel with its users. A re-design effort I helped drive led to a 20% increase in clicks.

Amazon.com, Inc. Seattle, WA

June-August 2014

SDE Intern - Appstore Tech Team

Upgraded an internal Self-Service Tool for the Appstore to diagnose compatibility issues between devices and apps using Ruby on Rails and Java services.

SLAC National Accelerator Laboratory Menlo Park, CA

June-August 2013

Summer Undergraduate Research Intern

Assisted in the implementation of a feedback based balanced optical cross-correlation system to reduce the amount of timing jitter within the accelerator's fiber link system.

Hong Kong Applied Science and Technology Research Institute (ASTRI) Hong Kong

June-August 2012

Communications Technology Intern

Contributed to an ongoing wireless sensor networking project to monitor leakage in pipes. Investigated PHP script runtime and optimization on UNIX servers along with the feasibility of piezoelectric energy harvesting for sensor nodes.