Samuel A. Hinshelwood Jr.

samhinsh@stanford.edu | samhinshelwood.com
linkedin.com/in/samhinsh | 708.439.4869

Education

Stanford University, B.S. in Computer Science, concentration in Mechatronics & Human Computer Interaction — *June 2017*

Experience

Apple, Inc., *Mobile Systems SQA, Intern, Cupertino, CA* — *June 2016 – Sep 2016*
Qualcomm, Inc., *Interim Engineering Intern, San Diego, CA* — *June 2015 – Aug 2015*

Developed RIDL diagnostic software features for Android devices, tailored to China OEMs
Researched framework for internal, automated device testing, provided next-steps consulting
Created threaded program for stress-testing diagnostic server

Stanford Residential Computing, *Resident Computing Consultant, Stanford, CA* — *Sept. 2015 – Present*

Teach Stanford CS 1C & CS 2C courses on networking, security, and digital media topics
Manage residential network hardware, registration databases, and computer cluster
Provide residents with everyday technology support and consulting

Skills

Languages Experience with: Swift, Python, C++, C, JavaScript, Arduino C, Java
Frameworks MEAN Stack, iOS, Xcode
Software Adobe Creative Suite, SolidWorks, MATLAB, LaTex, Fritzing
Personal Project Design, Communication, Education

Projects

Rise App, Full Stack iOS (Swift) Engineer, Stanford University

Full stack development of the Rise iOS app (See it here!: bit.ly/29qUDbM). Designed UI/UX, developed backend with Google Firebase and Core Data. Performed A/B testing. Rise is a platform for crowdsourcing visual stories.

Haptic Touch Finger, *Project Manager, Hardware Engineer, Stanford, CA* — *April 2015*

Stanford HackOverflow 12-hour Hackathon project. Invoked the ability to "feel" virtual objects using a Leap Motion Controller interfaced with Arduino and mini-buzzer motors via leap.js and JSON packages.

Automated Laser Turret, *Project Manager, Educator, Stanford, CA* — *Sept 2015*

Built laser-shooting bot "arm" with 3-axis motion using Arduino. Used for teaching introductory-level engineering workshops to lowerclassmen students in BYTES Program.

Object Avoiding Robot, *Individually Designed, Chicago, IL* — *August 2014*

Designed 2-wheeled, self driven bot that avoids objects using Arduino

3-Axis Motion Sensing Remote, *Individually Designed, Chicago, IL* — *January 2015*

Designed IR/Bluetooth-integrated controller that utilizes gyroscopic feedback modules and transmits commands to a receiving device

Awards & Organizations

BYTES Program, Society of Black Scientists and Engineers, *Stanford University* — *Dec. 2014 – June 2016*

Founder of BYTES Engineering-Service Projects Program
Taught technical workshops covering engineering fundamentals. Fund & support student-designed projects

Service Organization of the Year, BYTES Program, Stanford University, Stanford, CA — June 2016
1st out of 25, Stanford HackOverflow Hackathon, *Stanford University*, Stanford, CA — *April 2015*
Dean's Award for Academic Excellence, *Stanford University*, Stanford, CA — *June 2014*