

EDUCATION	<i>Bachelor of Science,</i> Duke University, Durham, NC Double Major:	Cumulative GPA: 3.948 Class of 2017 Electrical Engineering, Computer Science
	<i>High School Diploma,</i> Raleigh Charter High School, Raleigh, NC	GPA: 4.0 Class of 2013
RELEVANT COURSEWORK	Software Design and Implementation (Java) Computer Architecture (C, Assembly) Problem Solving in Computer Science Seminar (Java) Discrete Math for Computer Science (Scheme) Fundamentals of Electrical and Computer Engineering (Arduino) Data Structures and Algorithms (Java)	A A A A+ A+ A+
EXPERIENCE	<i>Biology 202: Genetics and Evolution Android Developer</i> Duke Biology Department <ul style="list-style-type: none"> Developing android application for education in Duke course BIO202: Genetics and Evolution Problem generation and solving for biological equations (e.g., Hardy Weinberg, genetic cross mapping, etc.) Provides graphing simulation for allele frequencies over time and genetics vocabulary flashcards <i>Computer Science 230: Discrete Math Teaching Assistant</i> Duke Computer Science Department <ul style="list-style-type: none"> Grading problem sets and exams Holding Office Hours and answering questions on Piazza Help preparation and creation of new problem sets <i>Microsoft Software Development Engineering Intern</i> Cloud & Enterprise, Windows Azure Storage <ul style="list-style-type: none"> Created Windows Presentation Foundation (WPF) application service for developers to show server tenant performance data using C# and XAML Created WPF application for developers to efficiently edit XAML files through UI interaction Interfaced Windows Azure Storage API to upload and download data from the cloud Fixed bugs with jobs collecting performance data from Windows Azure tenants <i>National Institutes of Health Summer Research Intern</i> NIAID, Lab of Malaria Immunology and Vaccinology <ul style="list-style-type: none"> Organized thousands of samples into boxes in different freezers on different sites Managed, organized, and tracked incoming and outgoing samples by devising new organization system that better referred people to exactly where specific samples are Ran Western Blot on malarial antigens for quality assurance of lab antigens Gave scientific presentation to lab faculty on summer findings on malarial antigen quality 	8/25/2014—present Durham, NC 8/25/2014—12/14/2014 Durham, NC 5/12/2014—8/1/2014 Redmond, WA 6/4/2012—8/3/2012 Bethesda, MD
PROJECTS	<i>Duke Start-Up Challenge (Fall 2013—Spring 2014)</i> <ul style="list-style-type: none"> Created start up proposal for Health-E: company to promote healthy food decisions through tech Created design specs for mobile Health-E app: allow users to scan food barcodes and glean information about the product (ingredients, health effects, healthy alternatives) to educate and support health decision making Selected as top-30 proposal to give presentation at Duke Start-Up Challenge Demo Day 2014 <i>HackPrinceton (Fall 2013), Shuffly</i> <ul style="list-style-type: none"> Created Android application to control music playback on any android music player by using hand gestures (tilting the phone along different axes) Interfaced Android gyroscope motion sensor to register and simulate media button presses <i>PennApps (Spring 2014), Conductor</i> <ul style="list-style-type: none"> Created a conductors baton that could control music sound effects like a DJ Interfaced accelerometer on the baton to map baton movements to certain DJ affects Interfaced proximity sensor to control pitch and volume of music based on proximity of hand to sensor Implemented through Arduino and simulating button presses in VirtualDJ 	Top 30 Top 40
SKILLS	<i>Skills:</i> Java, C#, Python, XAML, Android, Scheme, HTML/CSS, JavaScript, MATLAB, C, Android Studio, Visual Studio, Eclipse, IntelliJ	
LANGUAGES	<i>Languages:</i> English, Mandarin Chinese, Taiwanese, Japanese	