

Education

University of Notre Dame
B.S. Computer Science, B.A. Graphic Design
Reilly Dual-Degree Program
Graduating May 2015

Technical Skills

Comfortable with:
Python, SQL, Java, JavaScript, PHP, C, C++,
Android SDK, Flask, HTML5, CSS3

Familiar with:
Ruby, MIPS, AIX, Django

Leadership and Activities

2012 – present **Project Fresh Hip-Hop Dance Crew**
Breaking Commissioner

2011 – present **Wabruda**
Webmaster

2011 – present **Stanford Hall Council**
Webmaster

Relevant Coursework

Discrete Mathematics, Mobile Application Projects,
Design and Analysis of Algorithms, Data Structures,
Theory of Computing, Operating Systems
Android Application Development,
Building Web Applications, Logic Design,
Fundamentals of Computing I (C),
Fundamentals of Computing II (C++),
Computer Architecture, Programming Paradigms,
Healthcare Analytics, Human Computer Interaction,
Visual Communication Design I/II, Design Drawing

Interests and Hobbies

Breakdancing, emerging technologies, web
development, web design,
Android application development, photography,
user interface design, machine learning,
and data visualization

Professional Experience

Jan 2013 – present	iCeNSA Undergraduate Research Assistant Notre Dame, IN <ul style="list-style-type: none">Studying machine learning, data mining, and data visualization concepts for application within the healthcare industry.
Feb 2013 – June 2013	<ul style="list-style-type: none">Developed Android application for assisting geriatric patients in nursing homes and analyzing behavior through data collected via the application. Back-end developed in Python, using a MySQL database.
May 2013 – June 2013	IBM Software Developer Intern Austin, TX <ul style="list-style-type: none">Developed Android application for remote management of AIX and PowerSC machines.Developed a real-time security application for PowerSC systems, with an Android application for receiving notifications and remote security patching and a web application for data management and user activity feeds.
Jan 2012 – Dec 2012	Cooperative Computing Lab Research Fellow Notre Dame, IN <ul style="list-style-type: none">Developed a Python script to automate scientific simulations via a Master-Worker distributed computing framework.Developed features (i.e. XML data exporting) and fixes for BXGrid (bioinformatics web grid), using PHP and MySQL.
Aug 2011 – May 2012	College of Engineering Teaching Assistant Notre Dame, IN <ul style="list-style-type: none">Assisted professors in teaching Introduction to Engineering Systems I/II lab and grading homework assignments.
May 2011 – Aug 2011	Department of Electrical Engineering Research Fellow Notre Dame, IN <ul style="list-style-type: none">Researched the relative bond strength of quilt-packaged microchips.Developed a standard for testing quilt-packaged microchips' bond strength via a custom-built pull test machine.
June 2013 – present	Audite (https://github.com/iheanyi/Audite) Music streaming web application, utilizes EchoNest's and YouTube's API to recommend and stream artists based on an initial input by the user.
Feb 2013 – present	Tubalr (http://goo.gl/xZ90b) Android music streaming application, built on top of EchoNest's and Tubalr's API. Songs are streamed from YouTube; currently has over 2k active installs. Awarded Second Place at the Schurz Innovation Challenge.
Sep 2012 – Dec 2012	INCAA (https://github.com/iheanyi/dbconceptsfinal) PHP web application for visualizing NCAA football statistics, with data stored in an OracleSQL database.
Feb 2011 – May 2011	Otter Swag (https://github.com/iheanyi/otter-swag) One button, side-scrolling game developed in C++ using the SDL graphics library. Voted by peers as overall Best Project in the class.
Nov 2011 – present	Irish Class Search (http://goo.gl/oO5zO3) Android application for easy lookup of Notre Dame courses from phone.

Awards and Achievements

June 2013	First Place MakeWithMoto Makeathon Motorola Mobility College Station, TX
May 2013	Second Place Schurz Innovation Challenge Schurz Media, Inc. Notre Dame, IN
Summer 2011 & 2012	Balfour-Hesburgh Fellow Balfour-Hesburgh Scholars Program Notre Dame, IN
May 2010	Balfour-Hesburgh Scholar Balfour-Hesburgh Scholars Program Notre Dame, IN