

# Iheanyi Ekechukwu

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## Education

### University of Notre Dame

Notre Dame, IN – May 2014 & 2015

Bachelor of Science, *Computer Science*, Concentration: Cloud Computing, 2014

Bachelor of Arts, Graphic Design, *Reilly Dual-Degree Program*, 2015

## Technical Skills

**Programming:** Python/Java/Android SDK (Proficient) C/C++/JavaScript (Intermediate)

## Work Experience

### IBM – Software Developer Intern

Austin, TX – May 2013 to Aug 2013

- Developed an Android application for remote management of AIX and PowerSC machines.
- Developed a prototype of a real-time security application for PowerSC, with an Android application for receiving and displaying notifications and a web application (in Python) for data management and sending notifications.

### iCeNSA – Research Assistant

Notre Dame, IN – Feb 2013 to Jun 2013

- Developed an Android application to assist geriatric patients in nursing homes and analyze daily habits through data collected from the application. Back-end developed in Python with a MySQL database.

### Cooperative Computing Lab – Research Fellow

Notre Dame, IN – Jan 2012 to Dec 2012

- Developed Python script to automate scientific simulations via a Master-Worker distributed computing framework.
- Developed features (i.e. XML exporting) and fixes for BXGrid (bioinformatics web grid), with PHP and MySQL.

### College of Engineering –Teaching Assistant

Notre Dame, IN – Aug 2011 to May 2012

- Assisted professors in conducting Intro to Engineering System I/II lab and grading homework assignments.

### Department of Electrical Engineering – Research Fellow

Notre Dame, IN – May 2011 to Aug 2011

- Researched the bond strength of quilt-packaged microchips and methods for improvement.

## Awards and Achievements

First Place at MakeWithMoto Makeathon, Motorola Mobility

College Station, TX – June 2013

Second Place at the Schurz Innovation Challenge, Schurz Media Inc.

Notre Dame, IN – May 2013

Balfour-Hesburgh Research Fellow

Notre Dame, IN – Summer 2011 & 2012

Balfour-Hesburgh Scholar

Notre Dame, IN – May 2010

## Current & Past Projects

**Personal Website/Portfolio**, <http://www.iheanyi.com>

Jun 2013 - present

My personal website and portfolio. Back-end developed in Python with Flask, using a SQLite database for the blog.

**Audite**, <http://www.github.com/iheanyi/Audite>

Apr 2013 – May 2013

Python web application that uses EchoNest's and YouTube's APIs to recommend and stream artists and songs based on an initial artist input by the user.

**Tubalr**, <http://goo.gl/xZ90b>

Feb 2013 - present

Android music streaming application, built with EchoNest's and Tubalr's API. Songs are streamed from YouTube; currently has over 2k active installs. Won Second Place at the Schurz Innovation Challenge.

**iNCAA**, <https://github.com/iheanyi/dbconceptsfinal>

Sep. 2012 – Dec 2012

PHP web application for visualizing NCAA football statistics, with data stored in an OracleSQL database.

**Otter Swag**, <https://github.com/iheanyi/otter-swag>

Feb 2011 – May 2011

Side-scrolling game developed in C++ using the SDL graphics library. Voted by peers as overall best project in class.

## Leadership and Activities

**Project Fresh Dance Crew**, Breaking Commissioner

2012 – present

**Wabruda**, Webmaster, <http://www.nd.edu/~wabruda>

2011 – present

**Stanford Hall Council**, Webmaster, <http://www.nd.edu/~stanford>

2011 – present