

Jay Reynolds

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OBJECTIVE

To obtain a software engineering internship for summer 2015.

EDUCATION

Georgia Institute of Technology, Atlanta, GA

Fall 2013 - current

• B.S. in Computer Science, Honors Program

Major GPA 4.0

• **Coursework includes:**

Overall GPA - 3.94

- Object-Oriented Programming (taught with Java)
- C and Assembly Programming (current)
- Android Mobile Development (current)
- Matlab, computing for engineering applications
- Digital System Design (gate design, memory, datapaths)
- Data Structures and Algorithms (current)
- Digital Signal Processing (filtering, sampling, etc.)
- Physics (model complex problems in Python)
- Discrete Math, Calculus

Oxford Study Abroad Program - Oxford University, England - Summer 2014 - traveled throughout Europe studying different cultures and taking classes, communicated in French

RELEVANT PROJECTS

Robotic Musicianship Research

Fall 2014 - current

- Developing a robotic arm to allow an amputee drummer to play at an enhanced level
- Developing robotic sensing methods to make robot more aware of its surroundings
- Used Visual Studio and C++ to make a simple Kinect application to get position data for the robot
- Used ultrasonic sensor with Arduino to get distance data about robot from drums
- Made PureData patches to use collected data to make robot respond in a meaningful way

Web Development Consulting - <http://ergane.jayreynolds.org>

December 2014

- Built animated website using HTML and jQuery to meet the needs of a company

QueueUp - MHacks - <http://queueup.herokuapp.com>

January 2014 - current

- Spotify application that allows users to add songs to a collaborative playlist from a mobile device
- Designed logo and HTML user interface
- Built simple iOS application for the product

WORK EXPERIENCE

Andritz, Inc.

Roswell, GA

IT Intern

May 2013 - August 2013

- Developed company's mobile timesheet application
 - Made mockup iOS app with Objective-C and Xcode allowing employees to enter time information
 - Designed user interface that is now used by employees in large, multinational company
- Built SharePoint websites specific to different company locations

EDEC, Inc.

Duluth, GA

Intern

August 2012 - December 2012

- Drew circuit schematics in AutoCAD for different power systems, shadowed electrical engineers

SKILLS

Programming: Object Oriented Programming, Java, MATLAB, MaxMSP, PureData, HTML, CSS, Python, C, Assembly, Objective-C, C++, Arduino, Gradle, jQuery

Software: Android Studio, Git, Xcode, AutoCAD, Ableton Live, GarageBand, Photoshop, GIMP, Microsoft Office, Windows, Mac OSX, SharePoint

Leadership: Freshman Servant Leadership Organization, tennis instructor, guitar instructor

Music: Guitar, drums, programming, mixing, recording

Languages: English - fluent, French - 4 years of high school instruction, practice in France

Honors: Dean's List, Faculty Honors, National Merit Scholarship, Zell Miller Scholarship

Miscellaneous: Georgia Tech Club Tennis