

Brendan Moriarty

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Github:Moriartyb

Current Address

373A Leonard Hall
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Permanent Address

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OBJECTIVE

Apply my programming experience in a real world setting through an internship.

EDUCATION

University of Illinois at Urbana-Champaign
B.S, Computer Engineering, Fall 2013 - Summer 2017
Related Coursework: Data Structures - Spring 2013.

WORK EXPERIENCE

ECE Illinois: Undergraduate Research Assistant

Extracts data from a MySQL database and analyzes it using Python and matplotlib.

PROJECTS

Python:

Google Maps API accessing optimal meeting place calculator

Cross platform application to transfer images from phone clipboard to computer clipboard (Linux, Mac, V

OCR implementing Schedule screenshot to Google Calendar converter

Tk based Graphical representation of notes on a guitar as a teaching aid

Java: Light Wand – Android application for writing words in air with light

C: Programmed PIC microcontroller for an autonomous ping pong training machine

FIRST Robotics:

Team Captain and Founder

Founded one of the first FRC teams at a Chicago Public School

Acquired mentors, money, tools, and workspace required to successfully compete

Organized and led 4-5 subteams of over 20 students to effectively work together

SKILLS

Programming Experience - Python, Java, C/C++, MySQL, Matplotlib, CSS, LaTeX

Software - Git, Subversion, Vim, Sublime-Text, Unix

HONORS AND AWARDS

Engineering Visionary Scholar: University of Illinois Urbana-Champaign: Fall 2013

William W. Benfer Scholarship: University of Illinois Urbana-Champaign: Fall 2013

Chancellor's Scholar: University of Illinois Urbana-Champaign: Fall 2013

Boy Scouts of America: Eagle Scout: Winter 2012

Best Engineering Project: Rose-Hulman Operation Catapult: Summer 2012

EXTRACURRICULAR

Association of Computing Machinery

Fall 2013 - Present

Physics Social

Fall 2013 - Present

FIRST Robotics

Fall 2009 - Summer 2013

Boy Scouts of America

Fall 2001 - Summer 2013