BERWIN XIE

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EDUCATION

UNIVERSITY OF ILLINOIS   Urbana-Champaign, IL
B.S., Computer Science   GPA: 3.66
Anticipated May 2017
Engineering James Scholar

WORK EXPERIENCE

Edward Madigan Laboratory (Vodkin Lab) – Software Engineer
Urbana, IL   April 2014-Present
    Designed Python and bash scripts to automate, analyze, and display data obtained from Bowtie2 runs on soybean DNA and RNA sequences

Chicago Chair and Stool Incorporated (eHemco) – Programmer
Elgin, IL   Summer 2013
    Designed a shipment program pulling information from Amazon.com seller data which reduced data entry time from over 4 hours to under 10 minutes

Test Coach Corporation – Product Tester
Lake Zurich, IL   Sept. 2011-Feb. 2012
    Operated flying probe circuit board testers

VOLUNTEER EXPERIENCE

CS125 Introduction to Computer Science Course Assistant
        Urbana, IL   January 2014-Present
        Aid the teaching assistant with running lab activities and hold office hours for all students

Make More Music – Music Assistant
Urbana, IL   January 2014-Present
        Volunteer at the local middle school 5th graders with their orchestra rehearsals

PROJECTS

Mathematica Demonstrations Author
        Created a mathematical representation of how modal variables in music change the perception of mood

SIGMusic Engineering Open House 2014
        Working with a Leap Motion controller to create a Human Computer Interaction demonstration involving physics and dynamically generated tunes.

SKILLS

Computer Skills: Python, C++, Java, Javascript, HTML, Mathematica, Visual Basic, Unix-based Systems
Language Skills: English – fluent, Chinese(Mandarin) – proficient, French – intermediate