BERWIN XIE

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EDUCATION

University of Illinois at Urbana-Champaign
    B.S., Computer Science
    3.65/4.0 Major GPA

May 2017

EXPERIENCE

Epic Systems – Software Development Intern   *Summer 2015*
- Opened up the borders of *Epic Earth*, a social network for customers, to any practicing physicians
- Designed and developed a registration workflow, file uploads for resumes, and NPI lookup using the Microsoft Stack: C#, ASP.NET MVC, and SQL Server

Edward Madigan Laboratory Vodkin Lab – Software Engineer   *Apr 2014 - Present*
- Designed Python and bash scripts to automate the analysis of data obtained from Bowtie, Bowtie2, and DESeqs runs on soybean DNA and RNA sequences
- Visualize Bowtie2 data with Matplotlib for use in research papers

Chicago Chair and Stool Incorporated [eHemco] – Programmer   *Summer 2013*
- Built a shipment program pulling information from Amazon.com seller data and building shipping labels for UPS which reduced data entry time from over 4 hours to under 10 minutes

LEADERSHIP AND PROJECTS

ENG100 Engineering Learning Assistant   *Apr 2015 - Present*
- Teach a class of freshmen in computer science about engineering at UIUC

SIGMusic Chair   *Apr 2015 - Present*
- Organize and lead the Special Interest Group (SIG) in designing and creating a project each year from the ground up

Open Ears Co-Founder
- Lead the web development team for Open Ears, an organization on campus that provides support for students going through hard times

HackIllinois
- Organized external operations including food, transportation, and hospitality for all the participants

OculuScooter
- Coded and built a Oculus Rift project that simulates using a kick-scooter with a device made from PVC, a roller-skate, photo-sensors, and a Spark Core

Leap Music – 2nd place in the *Just for Fun* category
- Worked with a Leap Motion controller to create a Human Computer Interaction demonstration using Python, PureData, Arduinos, and LED lamps to dynamically generate tunes

pyDex – Top 10 Honors at WildHacks
- Streamlined solution for looking up Python definitions in Google Chrome

SKILLS

Python, Javascript, C#, ASP.net MVC, Unix-based Systems, SQL, C, C++, Mathematica