KIRSTEN RAUFFER

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EDUCATION

Undergraduate • Rutgers University
September 2012 - May 2016, New Brunswick, New Jersey
Computer Science, Cumulative 3.26 GPA

SKILLS

Most Experience • Java, C, HTML/CSS, JavaScript, Jquery, PHP, MySQL
Some Experience • Swift, Objective-C, Visual Basic, Matlab

RESEARCH EXPERIENCE

Research Assistant: Musical Robotics • Aresty Research Center
September 2014 - May 2015, New Brunswick, New Jersey

This research aims to help bridge the gap between the arts & sciences by creating a unique robotic instrument. The purpose is to gain a deeper understanding of robotics and music by exploring human-computer interaction and the physiology of human performance.
instrument design | circuit design | rapid prototyping | Arduino programming | 3d printing | laser cutting

FIELD EXPERIENCE

Web Developer • Doggie Do Good
January 2015 - Present, Remote

Working with a local non-profit to launch a design-heavy website. This interactive website will allow for users to learn more about the organization and schedule appointments. Responsible for front-end development (back-end not needed), web design, & illustrations.
HTML | CSS | JavaScript | JQuery | web design | branding

Electrical Engineering Intern • PSEG
May 2014 - October 2014, Newark, New Jersey

Worked on the Controls design team for Delivery Projects & Construction. Designed circuits for the wiring diagrams and schematics of high-voltage power stations, coded macros for department-wide Excel files, and created data visualizations that explored the efficiency of the department.
circuit design | Visual Basic | SAP | Excel | PowerPoint | Word

Assistant Instructor • Minds In Motion, LLC
January 2014 - May 2014, Mountain Lakes, New Jersey

Taught a robotics class to students of ages 6-12. Provided instruction and assisted in construction of each student's robot.
teaching | robotics | wiring | troubleshooting

PROJECTS

Up • HackRU
April 2014, New Brunswick, New Jersey
Weather based alarm clock. Display & ringtone changes based on the weather, allowing the user to know the weather upon waking.

CritIt • Database Project
March 2015 - Present, New Brunswick, New Jersey
Critiquing platform for art students. Professors can set up a course page for students to post their art work and critique their peers.

SELECT VOLUNTEER EXPERIENCE

Conference Volunteer • FITC Toronto
April 2015, Toronto, Canada

SAT Mathematics Tutor • Let's Get Ready
June 2014 - August 2014, Summit, New Jersey

Hospitality Table Rep & Production Assistant • MAC
June 2008 - August 2012, Middletown, New Jersey

RELEVANT COURSEWORK

Data Structures; Computer Architecture; Systems Programming; Principles of Information & Database Management; Design & Analysis of Algorithms; Calculus I, II, & III; Linear Algebra; Discrete Structures I & II; Physics I & II; Principles of Electrical Engineering (Circuits); Computing for Engineerings (Matlab)