Sarah Wessel

Resident of Boston, MA
Available: January – June 2019

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EDUCATION

Northeastern University 3.7/ 4.0 GPA   *Boston, MA, Expected December 2020*
Candidate for Bachelor of Science in Computer Science, Minor in Data Science
Relevant Coursework: Object Oriented Design, Principles of Information Science, Data Visualization
                                        Fundamentals of Functional Programming, Probability and Statistics
                                        Embedded Design, Discrete Structures, Logic and Computation
Activities: Wireless Club, Entrepreneurship Club
Honors: Dean's List, National Merit Finalist Scholarship Winner

Jackson High School 4.0/4.0 GPA   *Massillon, OH, May 2016*
Relevant Coursework: AP BC Calculus, AP Statistics

COMPUTER SKILLS

Primary Languages: Java, Python, C#, C++, HTML, CSS, SQL, XML, Lisp
Secondary Languages: JavaScript, Processing, R, DTD, XPath
Frameworks: Bootstrap, Django, .Net Framework/.Net Core, Linux
Software: Git, Microsoft Access & Excel, QGIS

RELEVANT EXPERIENCE

Globalization Partners *Data & IT Intern*   *Boston, MA, June 2017 - Present*
- Query an Access database and design reports
- Research and classify 560 time zones into 80 time zone regions
- Work with client services team to upload thousands of documents and verify user information
- QA Test websites through their development and launch

MyOnCampusChef *Full Stack Web Development Intern*   *Boston, MA, October 2016 – May 2017*
- Designed and implemented new and existing pages using CSS, HTML, and Bootstrap
- Implement Django forms as we expanded our PostgreSQL database
- Led a team of 4 web developers through the testing and launch of www.myoncampuschef.com

Stable Solutions, *Volunteer*   *June 2015 – August 2016*
- Provided IT support; Assisted in instructing weekly therapeutic riding lessons for people with disabilities
- Led 2 new volunteer orientations and directed groups of younger volunteers

Greater Akron Amateur Soccer Association, *Referee*   *September 2013 – November 2015*
- Refereed youth amateur soccer games; Developed leadership, problem solving skills, and attention to detail

PROJECTS

Dynamo Keyboard-Shortcuts Extension (Beyond AEC Hackathon "Most Practical" Prize Winner)   *September 2017*
Extension for the visual programming language Dynamo, allowing users to create and customize keyboard shortcuts.
Randomly Generated Maze Game (Java)   *May 2017*
Generates and renders a random 3500 cell maze. Finds solution using breadth-first or depth-first search, or allows the user to navigate on their own. Highlights solution once found.
Boston Running Data Visualization (Group Project)   *November 2016*
Used R and QGIS to compare frequency of running routes to tree density, results at a-lxe.github.io/boston-running/
Remote Controlled Drawing App, (Northeastern Wireless Club Hardware Hackathon)   *October 2016*
Drawing app controlled by an Arduino-based remote; Dials on the remote control color, thickness, and opacity; Modes switch between draw, erase, and confetti; Software written in the Processing programming language

INTERESTS

Ukulele, Guitar, Bicycle Touring and Repair, Arduino, Distance Running