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|  | | **A. Noah Wagner**  (330) 294-8781 noah@noah-wagner.com  www.github.com/Noah-Wagner | | | | |  | |
| Employment | | | | | | | | |
| **Research Assistant** | | **Complex Engineered Systems Lab** | | | | Dec 2015 – Present | | |
| * Participated in discussions and exploratory problem solving with graduate students * Developed prototypical applications and systems, such as a weight dynamics Android application, rules-based n-puzzle solver, and recommender service front end | | | | | | | | |
| **Software Engineering Intern** | | Hyland Software | | | | May 2016 – Aug 2016 | | |
| * Created SharePoint integration, allowing documents to be easily transferred from one content management system to the other while preserving metadata * Created email automation prototype, allowing users to set up automated email workflows | | | | | | | | |
| **Physics Tutor** | | **University of Akron** | | | | **Aug 2014 – Dec 2015** | | |
| * Demonstrated ability to explain complex technical concepts in simple terms, improving student outcomes | | | | | | | | |
| Education | | | | | | | | |
| **University of Akron** | |  | | | | **Aug 2013 – May 2017** | | |
| * Bachelor of Science in Computer Engineering and Applied Mathematics * Minors in Business and Computer Science * **In-Major Grade Point Average**: 3.78/4.00 * Honors College Student; Dean’s List Student | | | | | | | | |
| Projects | | | | | | | | |
| **Acoustic Multilateration** (Python, Java) | | | **2016** | | | | |
| * Implemented algorithm using time difference of arrival of acoustic waves to determine position of source. * Used linearized hyperbolic system and solved using least squares regression * Created accompanying Flask web server and Android application as front end | | | | | | | |
| **Stochastic Tree** (Java) | | | **2016** | | | | |
| * Created recursive data structure used to model and predict user responses when answering question set | | | | | | | |
| **Exercise Recommender** (Java, SQL) | | | **2016** | | | | |
| * Created Android application front end for exercise recommender system * Users prompted to input health information and exercise preferences to generate an exercise schedule | | | | | | | |
| **Huffman Coding Application** (C++) | | | **2016** | | | | |
| * Created application to losslessly compress data using a Huffman coding scheme | | | | | | | |
| Skills | | | | | | | | |
| **Proficient Languages:**   * C++, Java, C#, SQL, Python, MATLAB, HTML, CSS | | | | **Proficient Platforms:**   * Android, .NET, Flask, WPF, RESTful | | | | |
| Campus Involvement | | | | | | | | |
| **Technical Chair** | **HAkron** | | | | **Aug 2016** – **Present** | | | |
| * Co-founded first hacker’s organization at university, boosting recruitment to 30 students. * Responsible for creating and maintaining technical standards of organization events. * Created and lead workshops on introductory Python, Java, and Git to group members. * Organized and planned first university hackathon with an 80-student turnout. | | | | | | | | |