

EMILY WEYDA

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Education

- University of Cincinnati** | Cincinnati, Ohio Class of 2020
College of Engineering and Applied Science
Bachelor of Science in Computer Engineering
Minor in Computer Science
- University of Birmingham** | Birmingham, England Study Abroad, Fall 2018
School of Computer Science, First Class Honours
- Colerain High School** | Cincinnati, Ohio Class of 2015
Magna Cum Laude, Honors Diploma, Honor Roll, National Honors Society

Relevant Coursework

Advanced Data Structures & Algorithms, Compilers & Languages, Computer Architecture, Digital Design, Embedded Systems & Design, iPhone Development, Machine Learning, Natural Language Processing, Network Analysis, Operating Systems, Python Programming, Software Engineering, Technical Writing

Technical Skills

Languages: Python, C#/ .NET, C/C++, Java, JavaScript/JSON, MATLAB
Beginner: CSS/HTML, XML, Swift, SQL, Ruby, Raspberry Pi, LabVIEW
Software: Visual Studio, Xcode, Git, Docker, Anaconda, Eclipse, Maven, VirtualBox, IDLE
Strong Interests: iOS, Artificial Intelligence/Machine Learning, Natural Language Processing, AR/VR

Professional Experience

- Siemens Digital Industries Software** | Milford, Ohio January 2019 – August 2019
CTO R&D Software Engineering Co-op
 - Helped implement and validate machine learning techniques into current software to increase productivity
 - Utilized Google Cloud AutoML to automate machine learning tasks to train deep learning models
 - Researched topics including quantum computing and deep learning frameworks
 - Contributed to the development of a conversational interface for 3D modeling
- ICR** | Mason, Ohio January 2018 – May 2018
Cyber Security Software Engineering Co-op
 - Performed tasks which allowed ICR to fine-tune its software development by experimenting with GitLab continuous integration and development
 - Added functionality to continuous integration using GitLab to increase communication between teams
 - Self-taught ARM assembly language and learned to use command line and GDB to reverse ARM binaries
- Honeywell Intelligrated** | Mason, Ohio August 2016 – December 2016, May 2017 – August 2017
R&D Software Engineering Co-op
 - Contributed to an Agile Scrum development team by designing software solutions that drove continuous improvement to applications that allow Intelligrated engineers to better develop hardware and software products for clients
 - Repaired broken applications by debugging faulty code and bringing them to a releasable state
 - Designed, wrote and tested new features for existing applications

Leadership

- Robotics Club, Mentor** | Cincinnati, Ohio August 2017 – Present
Association for Computing Machinery – Women, Member | Cincinnati, Ohio November 2015 – Present
Bearcat Coders at Hughes High School, Volunteer | Cincinnati, Ohio November 2015 – September 2018
Girl Scouts of America, Scout & Troop Co-leader | Cincinnati, Ohio August 2003 – December 2018

Available for Full-Time Employment June 2020.