

Tarah Peltz
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Education:

- Engineering Honors Program at the University of Colorado Boulder
- Pursuing a Bachelor's of Science degree in Computer Science Engineering (Current GPA 3.79)

Relevant Coursework and Skills:

- Undergraduate Thesis – Modeling particle systems on a HoloLens to push the limits of GPGPU computing. Tools for thesis: Unity, ShaderLab, HLSL (Fall 2017 – Spring 2018)
- Personal Projects – Completed two augmented reality HoloLens game developed in Unity 3D, completed two large OpenGL projects, and working on a wearable technology project
- Software Experience - C#, C, C++, Python, Scala, XAML, Scala, MatLab, Assembly (ASM)
- Hardware Experience - Texas Instruments MSP432P401R LaunchPad, Arduino

Professional Experience:

Full Time College Internship at Microsoft (Evoke) (May 2017-August 2017)

- Integrated research code to perform a highly requested special effect into our 3D engine
- Working to improve memory and time performance of the feature
- Streamlining a pipeline for designers to easily import their artwork into the effect
- Integrating the 3D engine work into the Story Remix application

Full Time College Internship at Microsoft (Evoke) (May 2016-August 2016)

- Developed a camera app with functionalities designed to excite Generation Z customers
- Helped full time employees come up with innovative new features for future release products
- Developed applications in C# and XAML

College Internship at Lockheed Martin Space Systems (EBS EPDM Tech Ops) (May 2015– January 2016)

- Tested over 900 documents in Windchill to ensure they download properly after a bug fix
- Renamed and manually migrated hundreds of documents from Windchill 8.0 to Windchill 10.2
- Resolved customer incidents, including random access loss issues, problems with moving or deleting documents, container creation and external user account creation

High School Internship at Lockheed Martin Space Systems (GOES-R) (August-December 2013)

- Drafted procedures for magnetometer testing and operations
- Audited environmental tests, wrote verification requirement paperwork for satellite components

Achievements and Awards:

- Engineering Honors Program member and recitation leader
- Tau Beta Pi member
- Dean's List (Fall 2017, Spring 2017, Fall 2016, Spring 2016, Fall 2014)
- Special Recognition Award from Lockheed Martin (2015)