

Courtney Thurston

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Education

Embry-Riddle University, Daytona Beach, May 2019

Honors Program (3.541 CGPA), **B.S. Computer Science & B.S. Computational Math (Physics track)**

High School Valedictorian (1/925), June 2015

Work Experience

Microsoft – Seattle, WA

Summer 2017

Software Engineering Intern – Data Group (Software Engineering)

Microsoft – Seattle, WA

Summer 2016

Explorer Intern – Data Group (Software Engineering)

- Developed internal development tools in C# for internal big data platforms.
- Developed a stream analytics ‘playground’ for new customers in C#.

Embry-Riddle Aeronautical University – Daytona Beach, FL

Present

Undergraduate Research Assistant (Software Engineering)

- Supporting unmanned systems research through the ASSURE Center of Excellence.
- Developing and managing the website for the Women’s Engineering Institute.

Space Exploration Technologies (SpaceX) – Hawthorne, CA

Summer 2015

Intern – Propulsion & Structures/Vehicle Engineering (Hardware Engineering)

- Designed tooling for flight-critical Falcon 9 rocket hardware and managed subsets of certification articles as a member of the Crew Dragon spacecraft structural certification team.

Northrop Grumman Corporation – Rancho Bernardo, CA

Spring 2015

Intern – High Altitude Long Endurance (HALE) Unmanned Systems (Systems Engineering)

- Evaluated program efficacy of the High Altitude Long Endurance unmanned systems.

Near Earth Autonomy, Carnegie Mellon University – Pittsburgh, PA

Summer 2014

Intern – General Robotics Systems (Hardware Engineering, Systems Engineering)

- Modeled mounting positions for a LiDAR sensor on a light military helicopter using Solidworks.
- Performed occlusion studies/V&V tests and compiled a report for internal R&D.

Technical Skills

Java, C, C#, Git, PowerShell, Visual Studio

Hackathons, Competitions, and Programs

- Google CodeU

Participated in Google’s invite-only talent development program for high potential freshman and sophomore technical candidates. Completed a data structures and algorithms online curriculum, developed a small search engine and implemented TF-IDF in Java.

- MangoHacks 2016
- MHacks: Refactor 2016
- SwampHacks 2016 (Best Use of Amazon Web Services, 3rd Place All-Around)
- Qualcomm WCC Hackathon 2015
- The Port Hackathon at CERN 2014 (project acquired by UN); November 2014
- FIRST Robotics Competition (Rules and PR Leads); September 2014 – June 2015
- Lenepe-Seneca District Champions
- Unmanned Systems RWDC (Team Lead); September 2011 – June 2015
- 2x National Finalist Second-Place team (2/50), 4x Pennsylvania State Champions

Scholarships

AXA Achiever

Brad Feld Scholar

Burger King Scholar

Coca-Cola Scholar

Cooke Scholar

EAA Scholar

Eaton Scholar

Elks Scholar

FIRST Scholar

GE-Reagan Scholar

Presidential Scholar

SanDisk Scholar

Space Club Scholar

VIP WIT Scholar

Woman of Excellence

2x ABI GHC Grant

Facebook GHC Grant

Taser Intl GHC Grant

Microsoft GHC Grant

Google GHC Grant

2x Google SWE Grant

Keds Grant