

Courtney Thurston

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Education

Embry-Riddle University, Daytona Beach, May 2019

Honors Program (3.493 CGPA), **B.S. Computer Science & B.S. Computational Math (Physics track)**

High School Valedictorian (1/925), June 2015

Work Experience

Microsoft – Seattle, WA

Summer 2018

Software Engineering Intern – Data Group (Software Engineering)

- Received and accepted a return offer with the Azure Stream Analytics team at Microsoft next summer.

Microsoft – Seattle, WA

Summer 2017

Software Engineering Intern – Data Group (Software Engineering)

- Worked across three codebases (framework, service, and UX layers) to develop the latest feature of Azure Stream Analytics, enabling multiple compression algorithms for streaming inputs.
- Built out back-end support to enable streaming job outputs with CSV serialization and without headers.
- Sent and achieved sign-off on six code reviews, deploying both product features to production-level.

Microsoft – Seattle, WA

Summer 2016

Explorer Intern – Data Group (Software Engineering)

- Developed internal development tools in C# for the internal big data analysis platform Cosmos.
- Developed a SQL-like language ‘playground’ for new Azure Stream Analytics 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, Eclipse, SQL/MySQL

Hackathons, Competitions, and Programs

- Google CodeU—Participated in Google’s invite-only talent development program for high potential freshman and sophomore technical candidates.
- MangoHacks 2016
- MHacks: Refactor 2016
- SwampHacks 2016 (Best Use of Amazon Web Services, 3rd Place All-Around)
- Qualcomm WCC Hackathon 2015

Scholarships

AXA

Brad Feld

Burger King

Coca-Cola

Cooke

EAA

Eaton

Elks

FIRST

GE-Reagan

Goldwater

Presidential

SanDisk

Space Club

VIP WIT

Women 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

IGNITE Grant