

Education

Embry-Riddle Aeronautical University, Daytona Beach Honors Program (3.759 CGPA), B.S. Computer Engineering	May 2019
Commonwealth Connections Academy – Valedictorian (1/925)	June 2015

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
UPromise Scholar
VIP WIT Scholar
Web Summit Scholar
Woman of Excellence
2x ABI GHC Grant
Facebook GHC Grant
Taser Intl GHC Grant
Microsoft GHC Grant
2x Google SWE
Grant
Keds Grant

Work Experience

Microsoft – Seattle, WA <i>Intern – Data Group, Data Platforms for Cloud and Enterprise</i> • Working a twelve-week software engineering and product management rotation.	Present
Embry-Riddle Aeronautical University – Daytona Beach, FL <i>Undergraduate Research Assistant</i> • Supporting unmanned systems research through the ASSURE Center of Excellence. • Developing and managing the website for the Women’s Engineering Institute.	Present
Space Exploration Technologies (SpaceX) – Hawthorne, CA <i>Intern – Propulsion & Structures/Vehicle Engineering</i> • 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.	Summer 2015
Northrop Grumman Corporation – Rancho Bernardo, CA <i>Intern – High Altitude Long Endurance (HALE) Unmanned Systems</i> • Evaluated program efficacy of the High Altitude Long Endurance unmanned systems.	Spring 2015
Near Earth Autonomy, Carnegie Mellon University – Pittsburgh, PA <i>Intern – General Robotics Systems</i> • Modeled mounting positions for a LiDAR sensor on a light military helicopter using Solidworks. • Performed occlusion studies and compiled a report for future internal research purposes. • Charted project requirements using FreeMind and performed V&V tests.	Summer 2014

Awards
‘15 Presidential
Volunteer Service
Award (Gold)

‘15 Prudential Spirit
of Community Awards
Distinguished Finalist

Technical Skills

Programming: Java, C, Git
Applications: Solidworks, FreeMind, Mathematica, PTC Creo Parametric, PTC Mathcad

‘15 Patriot News’ Best
and Brightest

Hackathons, Competitions, and Programs

• Google CodeU Ongoing involvement in Google’s talent development program for standout freshman and sophomore candidates in software engineering. Working on a team project TBD in Java.	October 2014 – November 2014
• MangoHacks 2016	
• MHacks: Refactor 2016	
• SwampHacks 2016 (Best Use of Amazon Web Services, 3 rd 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	
• Real World Design Challenge (Team Lead); September 2011 – June 2015 2x National Finalist Second-Place team (2/50) 4x Pennsylvania State Champions	

‘12-15 RWDC State
Champion, ‘12-13
National Finalist

‘12-15 NCWIT AiC
Winner

‘14 United Way
Leader of Tomorrow

‘14 World Maker
Faire Speaker

‘14 Code.org SOTW