

REBECCA RILEY

Permanent Address

[REDACTED]

Cell

[REDACTED]

Campus Address

[REDACTED]

Education

Vanderbilt University, Nashville, TN

May 2016

- Bachelor of Engineering – Computer Engineering, Bachelor of Arts – Mathematics
- Cornelius Vanderbilt Scholar – Full tuition academic merit scholarship with a study abroad stipend
- GPA: 3.86 (4.00 in Computer Science, 3.90 in Electrical Engineering, 3.75 in math), Dean's List every semester

Homewood High School, Homewood, AL

May 2013

- Valedictorian (4.57 GPA), National Merit Finalist
- 5s on eleven AP exams, National AP Scholar; perfect score on ACT (36)
- Honors: Miss Homewood 2013, U.S. Presidential Scholar Semifinalist, Homewood Chamber of Commerce Special Recognition 13-01

Leadership Experience

Key Club International

2009-2013

International President, 2012-2013; International Trustee, 2011-2012; Lieutenant Governor, 2010-2011

- Oversaw 267,000+ members in 32 countries and guided the overall strategic direction of the world's oldest and largest high school service organization, while directly managing and coordinating the progress of a board of 11 trustees and 33 district governors.
- Personally solicited a \$25,000 grant from Walmart to subsidize International Convention for Key Club members in 2011.
- Involved general membership on the international level for the first time with the establishment of competitive ad hoc committees.
- Represented student interests and financial and legal concerns to Kiwanis adult staff and the Kiwanis International Board.
- Honors: Jared A. Rhea Outstanding Board Member, Robert F. Lucas Outstanding Lieutenant Governor, J. Mercer Barnett Fellow

Work Experience

Lockheed Martin Missiles and Fire Control

Orlando, FL

Software engineering summer intern, May-August 2015

- Recruited to the Legion Pod program to develop interfacing software for long-range, airborne, infrared search-and-track systems.
- Designed the MQ-9 Command and Status Center for remote ground-to-drone system control that performed flawlessly in field tests.
- Authored, tested, and published a family of chronological rounding functions to the LMF, Legion Pod's distributed software library.
- Serviced the team by creating utility scripts and patternizing software components, including builders, clocks, and built in tests.

Office of U.S. Representative Spencer Bachus

Washington, DC

Congressional summer intern, June-July 2014

- Served constituents by relaying opinions to and statements from the Congressman, conducting tours, and accepting phone calls.
- Aided the Congressman by providing briefs for meetings, serving as a host to visiting constituents, and being generally useful.

Leland IV, L.L.C.

Homewood, AL

Secretary and Co-founder, 2007-2013

- Managed financial assets for three rental properties, including maintenance of books, investments, and tax and insurance records.
- Grew company from single rental property in 2007 to three rental properties with long-term, reliable tenants and no debt in 2013.

Campus Involvement

Vanderbilt Aerospace Club

2015-2016

Electrical and avionics design engineer

- Devise a data acquisition system to collect, store, and regurgitate measurements pertinent to the rocket's H202 thrusters and overall structural health; these measurements will be employed both in and after flight for correction and analysis, respectively.
- Plan and deliver an educational module to middle schoolers illuminating the basic concepts of physics, rocketry, and thrust.

Vanderbilt University Amateur Radio Club

2015-2016

Founder, president, and General Class amateur radio operator (KM4IYK)

- Resuscitated VUARC in 2015 after it fizzled in the 1970s. In 9 months, grew club membership from <10 to almost 100 members.
- Pursued exam prep initiatives resulting in the licensing of 6 club members in spring 2015; this year, we hope to triple that number.
- Maintain club equipment, including a digipeater, UHF repeater, HF transceiver, PSK31 node, workstation, and the club shack.
- Continually publicize to students, administer club logistics, and develop the group's relationships in the Nashville community.
- Actively work to foster friendship and mentoring amongst students, faculty, staff, and Nashvillians through the hobby of ham radio.

vuDance

2014-2016

Vice president

- Teach and learn the basics of social partner dancing, including the waltz, hustle, salsa, east and west coast swing, and cha-cha-cha.
- Helped grow the club from its conception in 2014 to over 450 email subscribers in 2015; group lessons will see attendance of >30.

WRVU

2013-2015

Radio personality and voice of "The Rebellion"

- Hosted "The Rebellion," a variety program featuring "the best mix of mellow, upbeat, and underground music on public radio."
- Reached thousands of listeners worldwide in a weekly two hour spot boasting live bands, undiscovered music, and a request hour.