# Reagan Margaret Smith

159 Shoreline Pkwy
Tega Cay, SC 29708

rsmith@g.hmc.edu

803-487-1757

**EDUCATION**
**Harvey Mudd College**, Claremont CA
B.S., Computer Science                    Expected: 2019
B.A., Music (Scripps College)         Expected: 2019
(current GPA: 3.4)

South Carolina Governors School for the Arts and Humanities, Greenville, SC
Class of 2015 - GPA (weighted): 5.08

**PROFESSIONAL WORK EXPERIENCE**
- 2017: **Northrop Grumman Systems Engineering,** Redondo Beach CA**.** Engineering intern
  *Acted as a software engineer on AEHF, developed tools in Python to streamline maintenance for the on-orbit satellites*
- 2015: **Galaxy Semiconductor (recently acquired by Siemens PLM)**, Software Quality Assurance
  *Performed quality assurance testing for Big Data Analytics Business Intelligence System*
- 2016: **YMCA of Greater Charlotte NC**
  *Developed and conducted a children's STEM workshop program*

**COLLEGE PROJECT WORK**
- 2017: Was a 'Builder' in Project Upgrade, produced by Wayfarer Productions (set to air in Fall 2017)
  *collaborated with other women in STEM to create a 'smart mirror' on camera to inspire young women to pursue STEM*
- 2016: Designed an autonomous underwater vehicle (in Engineering Systems)
  *to measure temperature and maintain depth using feedback control*
- 2016: Designed and constructed biomachine (in Synthetic Biology)
  *to detect and alert user of high salt concentrations in solutions*

**COMPUTER SKILLS**
Programming: Java, C++, C, SQL, Python, Racket
Software: Git, Minitab, Igor, Microsoft Office
Basic Linux command line experience

**RELEVANT COLLEGIATE COURSEWORK**
Computer Systems, Data Structures and Program Development, Discrete Math, Multivariable Calculus, Linear Algebra I and II, Differential Equations, Probability and Statistics, Engineering Systems, Autonomous Vehicles, Electromagnetic Theory and Optics, Mechanics and Wave Motion, Computational Biology, Synthetic Biology

**HONORS & AWARDS**
United States Congress Congressional Youth Medal of Honor **-** Gold Medal 2014
President's List 2010-2015
Art's Diploma in Music – Piano 2015