

VICTORIA G. VANDERBACH

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Objective

Seeking internship or Co-op in developing embedded systems

Education

University of Illinois Computer Science Major

Urbana-Champaign, IL
August 2013– May 2017
GPA: 4.00/4.00

Osbourn Park High School Advanced Studies Diploma Class Rank: 23/684

Manassas, VA
May 2013
GPA: 4.40/5.00

Skills

Programming Languages: Java, Labview, C, C++, HTML

Leadership and Activities

FIRST Robotics Competition—Team 2068 The Metal Jackets

Aug. 2011– May 2013

Head of Programming and Electrical Teams

Aug. 2012– May 2013

- Developed semi-autonomous code to minimize operator errors
- Instructed incoming Freshman programmers in Labview and C++
- Designed efficient wiring layouts for easy accessibility
- Collaborated with team of 60 students and 8 adult mentors

Leadership Team Member

Aug. 2012– May 2013

- Created business plans to maintain corporate sponsors
- Ran demonstrations for corporations such as Orbital and Micron
- Volunteered at local robotics competitions

Zero Robotics Competition

Aug. 2011– May 2013

Small Team Leader

- Developed autonomous revolving code for satellites on the Int. Space Station
- Derived algorithm to find unknown coordinates with known distance
- 2012 and 2013 finalist selected to go to MIT finals

VEX Robotics

Aug. 2011– May 2013

Middle School Mentor

- Worked with middle school VEX teams to prepare for competitions

Projects

Personal Website

Created website using HTML/CSS

Aug. 2013– Present

Computer Vision for Student Aircraft Builders

Working on team to develop computer vision to detect flaws in the structure on an aircraft

Sept. 2013– Present

Wesley Haunted House

Designing haunted house to raise money for the Wesley Food Pantry

Sept. 2013– Oct. 2013

SigMusic and ACM

Developing programs to use human movement to interact with music and lights by using PureData with other programming languages

Sept. 2013– Present

Honors

State Farm Computer Science Scholarship

Fall 2013– Present

My Website:

