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

Leadership and Activities

FIRST Robotics Competition—Team 2068 The Metal Jackets
Head of Programming and Electrical Teams

August 2011– May 2013
August 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

August 2012– May 2013

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

VEX Robotics
Middle School Mentor

August 2011– May 2013

Worked with middle school VEX teams to prepare for competitions

Zero Robotics Competition
Small Team Leader

August 2011– May 2013

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

Seaperch Challenge
Electrical Specialist

Summer 2012

Created waterproof control system for underwater robot

FIRST Robotics Competition– Team 1208 The Metool Brigade
Beginner Programmer

August-2010– May 2011

Learned first language (Labview) in six weeks

Skills

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

Honors

National AP Scholar

Summer 2013

Averaged a score of 4.44 on nine AP exams

Yellow Ribbon Military Scholarship Award Recipient

August 2013– Present

State Farm Computer Science Scholarship

Fall 2013– Present

Gracious Professionalism Award for FIRST Robotics

2011, 2012, 2013

Awarded to the teams that demonstrate the qualities of FIRST