

RESUME

Aleis Marie Murphy

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PERSONAL STATEMENT

The impact of providing technological solutions to the challenges faced by organizations inspires me to work hard until those positive results are realized. The bigger the problem, the more gratifying it is to help guide an organization to the ideal technological solution.

EDUCATION

Duke University (4.0 unweighted GPA) – Master of Computer Engineering, completion in May, 2016

- Bachelors of Science degree in Computer Science
- Study Abroad – Integrated Duke course of study while exploring Greece (Summer 2012), and Australia (Summer 2013)

Stanford University (4.0 unweighted GPA) – EPGY Online Program – Courses in C++ and Number Theory

Northern Guilford High School (5.0 GPA) – GCS AP/IB Distinguished Scholar Diploma 2011

EMPLOYMENT & LEADERSHIP

Intern – IBM Technical Sales Specialist – Worked directly with technical sales and support teams to assist with the technical aspects of sales opportunities for both IBM technical sales centers and clients; client meetings, presentations, team work, demo documentation

- Currently leading an IBM initiative to create computer science summer camps for middle school aged girls. Personally pitched the idea to and received the support of several managers, VPs, and executives within IBM.

Teaching Assistant – Duke University Undergraduate CS Department – Computer Organization & Design (CS250) – 2012

Teaching Assistant – Duke Masters CS Department – Programming, Data Structures & Algorithms in C++ (ECE551) – 2014, 2015

Lead Instructor – Programming for Girls Workshops – teaching programming to middle school girls - summers 2011 – 2014

Various – Miscellaneous jobs to pay for college: Rock Climbing Wall, Duke University, summer 2014 (current);

Lifeguard, Ridgewood Swim & Tennis, summers 2009 & 2010

INITIATIVES, GRANTS & RESEARCH

Duke University (Summer, 2010): Campus intern for Professor Susan Rodger on the ALICE workshop for middle school teachers

Duke University (Fall, 2010): Remote internship with Professor Carlo Tomasi, Department Chair of Computer Science: building a program that examined, translated, and identified the author of ancient documents; joint project with Romance Studies department.

Duke University (Summer, 2013) : Assisting Professor Mine Çetinkaya-Rundel to convert her on-site class into an online course

Alice Workshop – Guilford College (Summers, 2011-2014): Co-founded programming workshop for middle school girls. Rented classroom, selected textbook, created lesson plans, advertised, submitted grant funding requests, and co-taught

NCWIT Aspire IT Initiative: The Alice Workshop I co-founded was selected as a pilot program for the nationwide initiative (2013); Received grant funding (2013, 2014) through Google, Intel & Northrop Grumman

Research Study: Early Exposure of Computer Science to Middle School Girls - Investigating the effectiveness of exposing girls to computing at an early age – Collecting & analyzing feedback & statistics from Alice Workshop participants (summer 2014)

AWARDS AND RECOGNITION

Scholarship - Leah Louise B. Tannenbaum Scholarship Recipient – Duke University (2011-2015)

Poster Presentation - Grace Hopper National Convention for Women in Computing – Baltimore, Maryland (2012)

Alice Workshop Recognition – Promoted on Google's *Made with Code* initiative web site as a Code Opportunity (2014); Highlighted as a National Girls Collaborative Project program (2014); Endorsed as a pilot program on the National Center for Women & Information Technology web site (2011-2014); Featured on the Microsoft Research web site (2013-2014)

Scholarship – Master of Engineering Scholarship for Underrepresented Groups, submitted by Professor Andrew Hilton

COMMUNITY SERVICE, EXTRA CURRICULUM, & SPORTS

Duke University Medical Center Volunteer in the Perioperative Unit of Duke North – (summer 2010)

Society of Women Engineers: Graduate Chapter at Duke ECE member – (2015-current)

Women in Technology in DC Society member – (2015-current)

Duke Swing Dance Performance Club – (2014-current)

Rock Climbing Wall Monitor – (2014-15)

Personal and academic references are available upon request