Samantha L. Porach
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(828) 337-3779   slp79@pitt.edu

Education:

University of Pittsburgh Swanson School of Engineering
Major: Computer Engineering   Minor: Studio Arts   Anticipated Graduation Date: December 2016
Cumulative GPA: 3.637   Technical Skills: C/C++, Java, HTML, UNIX, Windows; Soldering

Related Experience:

University of Pittsburgh, Pittsburgh, PA
    Undergraduate Research Assistant | August 2015 – Present
- Research group working on Memory Reliability in DRAM
- Prepared and executed simulations on randomly generated maps of faulty memory cells
- Compiled data for use in research papers and presentations

Rockwell Automation, Cleveland, OH
    Software Engineering Co-op | January 2015 - August 2015
- Created new automated unit testing framework using Jenkins-CI, reducing total testing time from 27 to 2 hours
- Drafted documentation for the utilization and maintenance of the new framework
- Implemented an enhancement for Logix Designer from design to integration, following Agile/Scrum methodology
- Assisted in training new co-ops

SimplyHome: Medical Alert Systems for Independent Living, Asheville, NC
    Product Development Intern | Summers 2013/2014
- Lead project in programming wireless SNAP modules for use in bed and chair sensors
- Designed main menu and interactive device alert icons for Android app and website
- Developed customer feedback surveys using Salesforce, SurveyMonkey, and Syncfrog
- Designed and 3D-printed component for new SimplyHome system case and assisted with product testing

Other Work Experience:

Burger King, University of Pittsburgh Petersen Events Center – Dec. 2012 - April 2013

Activities:

Phi Sigma Rho National Engineering Sorority, Zeta Chapter (Alpha-Gamma Associate Class, Spirit Chair)
University of Pittsburgh IEEE (National Member)
Sigma Alpha Lambda National Leadership and Honors Organization (University of Pittsburgh Chapter)
University of Pittsburgh's Emerging Leaders program (Fall/Winter 2012)
Pitt Make A Difference Day (October 2012/2014/2015) – Volunteer
Savor Pittsburgh (Magee Women's Hospital) (August 2014/2015) – Volunteer
CodeMash 2015 – Volunteer

Honors and Awards:

Rockwell Automation Capture the Moment Award
Dean's Honor List – University of Pittsburgh Swanson School of Engineering
Richard J. Madden Foundation Scholarship in the University of Pittsburgh Swanson School of Engineering
Graduated (Top 10% of class, GPA: 4.0) TC Roberson High School – May 2012
National Honor Society (2010-2012)
PSAT/NMSQT Commended Student (2011)