

DAN YOUNG SHI

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1600 Grand Avenue
Saint Paul, MN 55105

WORK EXPERIENCE

Procter and Gamble

R&D Intern

Cincinnati, OH

May 2014 – August 2014

- Investigated and developed color management technologies for key business applications at Procter and Gamble Baby Care Process and Engineering.

University of Cincinnati

Research Assistant

Cincinnati, OH

May 2013 – August 2013

- Constructed a data acquisition system that simultaneously collected image and sensor data via LabVIEW at the Combustion Lab, a joint venture between the UC Cincinnati Aerospace Engineering Dept. and GE Aviation.

Research Assistant

May 2012 – August 2012

- Collaborated with researchers to synthesis and characterize nanoparticles for cancer therapy research at the UC Physics Dept.
- Began assembly of a non-commercial vibrating sample magnetometer using piezoelectric materials.

Macalester College

Academic Tutor

Saint Paul, MN

August 2013 – Present

- Tutor physics and mathematics students at the Macalester Academic Excellence Center and Macalester College Physics Department.
- CRLA Level 1 certified.

EDUCATION

Macalester College

Bachelor of Arts, Physics & Computer Science
Cumulative GPA: 3.24

Saint Paul, MN

August 2011 – May 2015

PROJECTS

Blubz

Android Development

Saint Paul, MN

January 2014 – May 2014

I worked with a four person team to develop an interactive journal application on Android OS. My particular role was programming the camera functionality and implementing the image content. I have continued to develop the project by independently debugging and testing the application with the intent to publish Blubz on the Google Play Store. The source code can be found here: <https://github.com/SWAG-APPS-INCORPORATED/blubz>.

SKILLS

Computer Languages: Java, Python, C, Assembly, HTML, CSS, JavaScript

Operating Systems: Windows, Android OS

Other: Mathematica, Adobe Photoshop, NI LabVIEW, NI Vision, SolidWorks, MATLAB, i1Profiler, GIS RIP

ACTIVITIES

NCAA DIII Athlete

Golfer and Captain, Macalester College

August 2011-Present

Minnesota Special Olympics

Volunteer, St. Paul, Minnesota

August 2011-August 2014

Student Athlete Advisory Committee

Representative, Macalester College

February 2013-May 2014

Physics and Astronomy Club

Member, Macalester College

August 2012-Present