

DAN YOUNG SHI

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11924 Foxgate Way
Loveland, Ohio 45140

EDUCATION

Macalester College

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

St. Paul, Minnesota

August 2011 – May 2015

WORK EXPERIENCE

Procter and Gamble

R&D Intern

Cincinnati, OH

May 2014 – August 2014

I worked at Procter and Gamble Baby Care Process Engineering as a research and development summer intern. My particular responsibility was to investigate and develop color management technologies for key business applications.

University of Cincinnati

Research Assistant

Cincinnati, OH

May 2013 – August 2013

I worked at the Combustion Laboratory, a joint venture between the UC engineering school and GE Aviation. My individual research dealt with the creation of a data acquisition system that simultaneously collected both image and sensor data via LabVIEW. Other responsibilities dealt with supporting everyday operations of the lab.

University of Cincinnati

Research Assistant

Cincinnati, OH

May 2012 – August 2012

I worked at a UC condensed matter physics lab. My individual research dealt with the assembly of a non-commercial vibrating sample magnetometer using piezoelectric materials. Collaborated research areas included the characterization and synthesis of iron oxide nanoparticles.

Macalester College

Academic Tutor

Saint Paul, MN

August 2013 – Present

I am a CRLA Level 1 certified tutor at Macalester College. I primarily tutor physics and mathematics students at the Macalester Academic Excellence Center and Macalester College Physics Department.

PROJECTS

Blubz

Android Development

Saint Paul, MN

January 2014 – May 2014

I worked with on 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. The source code can be found here: <https://github.com/SWAG-APPS-INCORPORATED/blubz>.

SKILLS

OS and Computer Languages: Windows 7, Android OS, Java, C, Assembly, HTML, CSS

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-Present

Macalester Investment Group

Member, Macalester College

February 2013-Present

Student Athlete Advisory Committee

Representative, Macalester College

February 2013-Present

Physics and Astronomy Club

Member, Macalester College

August 2012-Present