

# DAN YOUNG SHI

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11924 Foxgate Way  
Loveland, Ohio 45140

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## EDUCATION

### Macalester College

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

St. Paul, Minnesota

August 2011 – May 2015

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## 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.

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## PROJECTS

### Blubz

*Android Development*

Saint Paul, MN

January 2014 – May 2014

I worked with on a four person team to develop an interactive journal 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>.

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## 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

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## ACTIVITIES

### NCAA DIII Athlete

Golfer and Captain, Macalester College

August 2011-Present

### Minnesota Special Olympics

Volunteer, St. Paul, Minnesota

August 2011-Presents

### 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