

# Julia Di

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## EDUCATION

**Columbia University**, New York City, NY, USA

Bachelor of Science in Electrical Engineering, Computer Science minor  
Cumulative GPA: 3.66 / 4.0

Aug 2014 – May 2018

**Richard Montgomery High School**, Rockville, Maryland, USA

International Baccalaureate Diploma  
Cumulative GPA: 3.92 / 4.0

Aug 2010 – Jun 2014

## PROJECTS

**Knickerbocker Motorsports**, New York City, New York, USA

Board member, Body Sub-Team

Sep 2014 – present

Design and test racecar body through SolidWorks, and Rhino. CNC-machine molds and perform carbon fiber wet lay-up to manufacture body.

**Richard Montgomery Robotics Team**, Rockville, Maryland, USA

Mechanical Design & Product Design

Oct 2011 – Jun 2014

Built three robots over the course of three years according to the FIRST Tech Challenge. Designed in CAD software and built using CNC, 3-D printers, and metal channel. Programmed in Robot C.

## RESEARCH EXPERIENCE

**Columbia Laboratory for Unconventional Electronics**, Columbia University

Undergraduate Research Student, Science Department

Jan 2015 – present

Project: Integrating FBAR and semiconductors

Supervisors: Professor Ioannis (John) Kymissis and Hassan Edrees

Research areas: thin film electronics, acoustic resonators, microfabrication.

## PUBLICATIONS

1) J. Di, “The Satellite Assessment of Impact of the 2012 Great Drought on Corn Growth in the US Corn Belt,” in *Proceedings of the International AgroGeoinformatics Conference*, Fairfax, VA, Aug 2013.

## ACADEMIC HONORS & AWARDS

Dean’s List, Columbia University

2014 – present

For attaining a semester GPA of at least 3.5.

Emerging Scholar Program, Columbia University

Sep 2014

A seminar program for selected students in introductory computer science.

Res. Inc., Program, Columbia University

Sep 2014 – May 2015

An application-based student entrepreneurship residential incubator.

Raytheon Robotics Scholarship, Raytheon Company

Aug 2014

\$1,000 scholarship for outstanding participants in FIRST robotics.

Orbital Sciences Full Scholarship, Orbital Sciences

May 2014

\$6,000 scholarship for outstanding engineering students. Awarded to only 5 other students.

National AP Scholar, College Board

May 2013

Awarded for scoring 4 or 5 on AP BC Calculus, AP Biology, AP Chemistry, AP Physics Mechanics, AP Physics E&M, AP Statistics, AP Environmental Science, AP Computer Science, and AP Spanish Language.

## OTHER HONORS & AWARDS

Gold Key, Scholastic Arts and Writing Competition

Jan 2013, Jan 2014

The nation’s most prestigious pre-collegiate art and writing competition, with 200,000 pieces submitted.

2nd Inspire Award, FIRST Robotics World Championships

Apr 2014

Given to the second best all-around team at the world championships.

## LANGUAGES

English: Native language.

Spanish: Intermediate (speaking, reading, writing).

Mandarin: Intermediate (speaking); basic (reading, writing).

## COMPUTER SKILLS

L<sup>A</sup>T<sub>E</sub>X, MATLAB, Python, Java, HTML, CSS, Autodesk Inventor, SolidWorks, Rhino, PTC Creo Adobe Photoshop, Adobe InDesign, Sony Vegas Pro.

## INTERESTS

Visual arts, photography, creative writing, engineerig cool stuff, reverse-engineering cool stuff.