Julia Di

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EDUCATION	**Columbia University**, New York, NY, USA
	Bachelors of Science in Electrical Engineering Aug 2014 – May 2018
	Minor in Computer Science	Cumulative GPA: 3.84 / 4.00 (Dean's List all semesters)
SELECTED INDUSTRY EXPERIENCE	**Carleton Laboratory**, New York, NY, USA
	Undergraduate Laboratory Assistant May 2015 – Aug 2015
	• Machined hundreds of samples of novel composite structure for use in infrastructure by client request
	• Designed and conducted multiple ASTM-standardized tests to determine material properties
	• Analyzed and wrote 300+ pages of final report for client with graduate student project leader
	Aristotle Circle, New York, NY, USA
	Content Manager Jan 2014 – present
	• Manage 5 bloggers and within a year of hire achieved 50% increase in unique monthly visitors
SELECTED RESEARCH EXPERIENCE	**Sia Lab**, Columbia University
	Undergraduate Assistant, Biomedical Engineering Department Sep 2015 - Dec 2015
	• Project: Design and build a device to automate novel cell therapy
	• Supervisors: Ninna Rossen
	• Research areas: rapid prototyping, embedded programming, point-of-care therapeutics
	Columbia Laboratory for Unconventional Electronics, Columbia University
	Undergraduate Research Assistant, Electrical Engineering Department Jan 2015 – May 2015
	• Project: Design and build an ion sputterer to microfabricate thin-film bulk acoustic resonators
	• Supervisors: Professor Ioannis (John) Kymissis and Hassan Edrees
	• Research areas: thin film electronics, acoustic resonators, microfabrication, plasma sputtering
PUBLICATIONS	1) <u>J. Di</u>, "The Satellite Assessment of Impact of 2012 Great Drought on Corn Growth in the US Corn Belt," in *Proceedings of the International AgroGeoinformatics Conference*, Fairfax, VA, Aug 2013.
LEADERSHIP EXPERIENCE	**Columbia Space Initiative**, New York, NY, USA
	Founder and Co-President Sep 2015 – present
	• Organize keynote speaker events, seminars, workshops, and technical space projects for 60+ members
	• Acceptances into two technical NASA challenges, with $2000+ in initial funding and faculty support
	IEEE Columbia, New York, NY, USA
	Member of the Board Sep 2015 – present
	• Plan hardware-related initiatives such as Columbia's only hardware hackathon, MakeCU
	Women in Computer Science, New York, NY, USA
	Events Coordinator Apr 2015 – present
	• Initiate and manage events with local tech companies and startups to promote women in engineering
	Knickerbocker Motorsports Formula SAE, New York, NY, USA
	Electronics and Carbon Fiber Engineer Sep 2015 – present
	• Design electronics, integrate sensors, manufacture foam molds and perform carbon fiber lay-ups
	Vice President Sep 2014 – May 2015
	• Manage operations and logistics over 50-member engineering team building two race cars in single year
	• Write, compile, and cross-check two 200-page extensive spending budgets of $60,000
HONORS & AWARDS	**Kakehashi Program Fellow**, Government of Japan and Columbia University May 2015
	• Ten-day fully-funded tour of Japan, courtesy of Prime Minister Abe, to foster mutual foreign relations
	• One of 50 students selected from over 400 Columbia undergraduate applicants
	Res. Inc., Program, Columbia University Sep 2014 – May 2015
	• An application-only student entrepreneurship residential incubator (30 students across university)
	• Competed in the Columbia Pitch Festival and Columbia Venture Competition
	Raytheon Robotics Scholarship, Raytheon Company Aug 2014
	• $1,000 scholarship for outstanding participants in FIRST robotics (40 scholars nationwide)
	• High school robotics team placed 2nd at 2014 FIRST Robotics World Championships
	Orbital Sciences Full Scholarship, Orbital Sciences May 2014
	• $6,000 scholarship for outstanding engineering students awarded to only 5 students (pool of 100+)
	NASA WISH Aerospace Scholar, NASA Jan 2013
	• One of only 50 students nationwide selected based on leadership, scholarship, and passion for aerospace
LANGUAGES	HTML • C • CSS • Java • MatLab • LabView • LaTeX • Python
SKILLS	Amateur Radio (Tech Class) • Autodesk Inventor • Git • Microcontrollers • SolidWorks • Soldering