

Julia Di

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EDUCATION	Columbia University , New York, NY, USA Bachelors of Science in Electrical Engineering • Minor in Computer Science • Cumulative GPA: 3.84 / 4.00 (Dean's List) Aug 2014 – May 2018
SELECTED INDUSTRY EXPERIENCE	Carleton Laboratory , New York, New York, USA Undergraduate Laboratory Assistant May 2015 – Aug 2015 • Machined hundreds of samples of novel composite structure for use in infrastructure by client request • Conducted ASTM-standardized tests to determine material properties under stress and strain • Analyzed and wrote 300+ pages of final report for client in collaboration with graduate student project leader Aristotle Circle , New York, New York, USA Blog Manager Jan 2014 – present • Manages 5 bloggers and within year 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 <i>Proceedings of the International AgroGeoinformatics Conference</i> , Fairfax, VA, Aug 2013.
LEADERSHIP EXPERIENCE	Columbia Space Initiative , New York, New York, USA Founder and Co-President Sep 2015 – present • Organizes keynote speaker events, seminars, workshops, and technical space projects for students • Manages 25 undergraduate students in the CubeSat Launch Mission for NASA USRP call Women in Computer Science , New York, New York, USA Events Coordinator Apr 2015 – present • Initiate conversations with local tech companies and startups to organize site visits for Columbia Knickerbocker Motorsports Formula SAE , New York, New York, USA Carbon Fiber Engineer Sep 2015 – present • Organize, design, and manufacture racecar components made of carbon fiber 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 budget of \$60,000 • Design racecar body in Rhino, manufacture foam molds and perform carbon fiber lay-ups
HONORS & AWARDS	Takehashi 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 Emerging Scholars Program , Columbia University Sep 2014 • A seminar program for selected students in introductory computer science Raytheon Robotics Scholarship , Raytheon Company Aug 2014 • \$1,000 scholarship for outstanding participants in FIRST robotics (40 scholars nationwide)
LANGUAGES	HTML•C•CSS•Java•MatLab•Python
SKILLS	Autodesk Inventor•Adobe InDesign•Adobe Photoshop•LabView• La TeX•SolidWorks•Sony Vegas