

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, NY, USA Undergraduate Laboratory Assistant May 2015 – Aug 2015 <ul style="list-style-type: none">• Machined hundreds of samples of novel composite structure for use in infrastructure by client request• Conducted ASTM-standardized tests to determine material properties for infrastructural analysis• 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 <ul style="list-style-type: none">• Manages 5 bloggers and within a year achieved 50% increase in unique monthly visitors
SELECTED RESEARCH EXPERIENCE	Sia Lab , Columbia University Undergraduate Assistant, Biomedical Engineering Department Sep 2015 - Dec 2015 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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) J. Di, "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, NY, USA Founder and Co-President Sep 2015 – present <ul style="list-style-type: none">• Organizes keynote speaker events, seminars, workshops, and technical space projects for students• Grown to over 20 active members and collectively received \$2000+ in initial funding IEEE Columbia , New York, NY, USA Member of the Board Sep 2015 – present <ul style="list-style-type: none">• Plan and organize hardware-related initiatives such as Columbia's only hardware hackathon, MakeCU Women in Computer Science , New York, NY, USA Events Coordinator Apr 2015 – present <ul style="list-style-type: none">• Initiate and organize 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 <ul style="list-style-type: none">• Design electronics, integrate sensors, manufacture foam molds and perform carbon fiber lay-ups Vice President Sep 2014 – May 2015 <ul style="list-style-type: none">• 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
HONORS & AWARDS	Kakehashi Program Fellow , Government of Japan and Columbia University May 2015 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• \$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 <ul style="list-style-type: none">• \$6,000 scholarship for outstanding engineering students. Awarded to only 5 students (pool of 100+) NASA WISH Aerospace Scholar , NASA Jan 2013 <ul style="list-style-type: none">• One of only 50 students nationwide selected based on leadership, scholarship, and passion for aerospace
LANGUAGES	HTML • C • CSS • Java • MatLab • Python
SKILLS	Amateur Radio (Tech Class) • Autodesk Inventor • Git • LabView • L ^A T _E X • SolidWorks • Soldering