

Kevin Le

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EDUCATION

Columbia University, The Fu Foundation School of Engineering and Applied Science <i>Bachelor of Science – Mechanical Engineering, GPA 3.73</i>	New York, NY – May 2020
Lexington High School <i>High School Diploma – GPA 3.89</i>	Lexington, MA – June 2016

SKILLS

Design: Solidworks, AutoCAD, Creo, KiCAD, Eagle
Machinery: Bandsaw, CNC, drill press, general hand tools, laser cutter, lathe, mill, 3D printer
Computer: Java, C++, Python, HTML/CSS, JavaScript, MATLAB, Microsoft Office, Adobe Suite
Misc: Intermediate French, Intermediate Vietnamese

ENGINEERING PROJECTS

Engineers Without Borders – Morocco , Columbia University Chapter <i>Water Project Team Lead</i>	New York, NY September 2016 – Present
<ul style="list-style-type: none">Oversee all engineering aspects of implementing a well and a water filtration, sanitation, pumping, and storage system in Morocco including research, design, resourcing, logistics, documentation, and constructionLead team of students to brainstorm, research, and design a sustainable clean water access system	
Columbia Space Initiative <i>Micro-G NExT Team</i>	New York, NY September 2016 – Present
<ul style="list-style-type: none">Design and manufacture a subsurface sampling device that can take regolith and core samples from asteroids (while maintaining stratification) for astronaut use as part of NASA's Micro-G NExT challenge	
Design for America , Barnard-Columbia Chapter <i>Studio Member</i>	New York, NY September 2016 – Present
<ul style="list-style-type: none">Design a wearable air quality sensor to collect and visualize environmental data in NYC in order to educate and empower residents in disproportionately polluted residential areasDeveloped prototypes for portable, affordable, and modular solar power units for apartment buildings in Harlem	
FIRST Tech Challenge (FTC) <i>Captain of 2 Bits and a Byte, FTC 4029</i>	Lexington, MA June 2014 – June 2016
<ul style="list-style-type: none">Led robotics team to FIRST World Championship across both years as captain and quadrupled team funds	

SOCIAL IMPACT PROJECTS

Columbia Urban Experience (CUE) <i>CUE Leader</i>	New York, NY January 2016 – Present
<ul style="list-style-type: none">Coordinate with non-profit organizations in NYC such as WeAct, Planned Parenthood, Open Space Alliance, and moreManage a group of incoming students to conduct direct service in NYC	
Lexington Public School System Engineering Education Reform <i>Founder & Director</i>	Lexington, MA October 2014 – June 2016
<ul style="list-style-type: none">Implemented the largest multi-year engineering education reform in the history of Lexington, MA (impacting over 10,000 students across nine schools) to integrate original robotics curricula and establish a MakerSpace	

ADDITIONAL EXPERIENCE

Columbia University Chemistry Graduate Program <i>Administrative Assistant</i>	New York, NY September 2016 – Present
<ul style="list-style-type: none">Created and organized a digital archive database for Columbia's graduate chemistry program dating back to the 1960'sOrganize events for prospective graduate students in collaboration with the Columbia chemistry office	
Forsyth Institute, Immunology Dept. <i>Research Intern</i>	Cambridge, MA June 2015- August 2015
<ul style="list-style-type: none">Proposed and conducted an original microbiology research proposal related to <i>M. tuberculosis</i>	

AWARDS

FIRST Tech Challenge World Championship - Division Semi-Finalists	April 2016
Golden Key International Composition Competition – 4 th Place	January 2016
Massachusetts State Science & Engineering Fair – 2 nd Place	May 2015