

Kevin Le

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EDUCATION

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

SKILLS

Design: Solidworks, AutoCAD, Creo, KiCAD, Eagle
Machinery: Bandsaw, drill press, CNC, mill, general hand tools, 3D printer, laser cutter
Computer: Java, Python, HTML/CSS, JavaScript, MATLAB, Microsoft Office, Adobe (Photoshop, InDesign, Illustrator)
Misc: Award-Winning Composer & Pianist, Intermediate French, Intermediate Vietnamese

ENGINEERING PROJECTS

Engineers Without Borders – Morocco, Columbia University Chapter New York, NY
Water Project Team Lead September 2016 – Present

- 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 construction
- Lead team of students to brainstorm, research, and design a sustainable clean water access system

Columbia Space Initiative New York, NY
Micro-G NExT Team September 2016 – Present

- 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, on a team of six

Design for America, Barnard-Columbia Chapter New York, NY
Studio Member September 2016 – Present

- Develop portable, affordable, and modular solar power units for apartment buildings in Harlem to promote a transition to solar-based power purchase agreements
- Designed and prototyped model using CAD (Solidworks)

FIRST Tech Challenge (FTC) Lexington, MA
Captain of 2 Bits and a Byte, FTC 4029 June 2014 – June 2016

- Led robotics team to FIRST World Championship and a dozen awards across all years as captain, 2016 World Division Semi-Finalists

SOCIAL IMPACT PROJECTS

HealthHacks NYC New York, NY
Co-Organizer September 2016 – Present

- Lead and organize a biotech and medical themed hackathon at Columbia University, to premier in April 2017
- Work with companies such as IBM to secure funds, APIs, hardware, mentors, judges, prizes, and giveaways

Lexington Public School System Engineering Education Reform Lexington, MA
Founder & Director October 2014 – June 2016

- 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 New York, NY
Administrative Assistant September 2016 – Present

- Created and organized a digital archive database for Columbia's graduate chemistry program dating back to the 1960's
- Organize events for prospective graduate students in collaboration with the Columbia chemistry office

Forsyth Institute, Immunology Dept. Cambridge, MA
Research Intern June 2015- August 2015

- Proposed and conducted an original microbiology research proposal related to *M. tuberculosis*

CU Records (Columbia's Student-Run Recording Studio) New York, NY
Studio Engineer November 2016 – Present

- Manage sound equipment including microphones, amplifiers, and DAWS, and record local artists