Kevin Le

Engineer, Researcher, Social Thinker
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Education

- **Columbia University** — New York, NY
  B.S. Mechanical Engineering — *2016-2020*
- **Lexington High School** — Lexington, MA
  Cumulative GPA (unweighted): 3.9 — *2012-2016*

Technical Experience

Skills: Solidworks/3D Printing, Circuitry, Java, HTML/CSS, Javascript, C++, Python, Adobe Suite

- **Columbia Space Initiative** — New York, NY
  Rocket Team and Micro-G NExT Team — *Sept. 2016 - Present*
  - (Rockets) Constructed Columbia's first Class-K rocket from scratch with experimental engines
  - (Micro-G NExT) Designed a subsurface sampling device for astronaut use with asteroids
- **Columbia Robotics Club** — New York, NY
  Drone Team — *Sept. 2016 - Present*
  - Researched and developed simultaneous localization and mapping (SLAM) methods for autonomous drones
- **Lexington High School Robotics Team (FTC 4029 - 2 Bits and a Byte)** — Lexington, MA
  Captain — *2012-2016*
  - Led team to FIRST World Championship all years as captain; division semi-finalists in 2016
- **Forsyth Institute, Immunology Dept.** — Cambridge, MA
  Research Intern — *Summer 2015*
  - Extended personal research concerning interaction between *C. elegans* and *M. smegmatis*

Social Impact

- **Barnard-Columbia Design for America** — New York, NY
  Studio Member — *Sept. 2016 - Present*
  - Designed a portable, modular, and solar-powered battery pack for Harlem residents
- **Engineers Without Borders, Columbia Chapter** — New York, NY
  Morocco Division, Water Sub-Team — *Sept. 2016 - Present*
  - Designed a water storage and filtration system for Izgouaren, Morocco
- **Columbia Biomedical Engineering Society** — New York, NY
  Board Member — *Sept. 2016 - Present*
  - Co-organized Columbia's first health hackathon www.biohacks.nyc
- **Lexington Public School System Engineering Education Reform** — Lexington, MA
  Director and Founder — *2014-2016*
  - Led and implemented the largest engineering education reform in the history of Lexington, MA to integrate original engineering curricula across all schools and to establish a MakerSpace