Armaan S. Kohli

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Education:

- *Bachelor of Electrical Engineering, Cooper Union Albert Nerken School of Engineering, New York, NY Projected Class of 2020*
  - Half-Tuition Merit Scholarship 2016 – 2020
  - Innovator Merit Scholarship 2016 – 2020

Project Work

Cooper Union

- *Coffee Can Radar System Design Project, New York, NY 2017*
  - Reverse engineered and assembled a complete radar system and all subsystems
  - Tested and debugged system using signal generators, oscilloscopes and spectrum analyzers
  - Used MATLAB to preform computations and process acquired signals

- *Prosthesis Design for Diabetes Patients in Rural Uganda, New York, NY, 2016*
  - Researched materials, designs and resources local to Uganda
  - Modeled designs using SolidWorks
  - Conducted cost analysis including material, production and shipping costs
  - Contacted experts in the field both in American and Ugandan research hospitals

Personal

- *Lead Naval Architect, Boat Design Team, Bethesda, MD, 2016*
  - Designed presentations and logos using Adobe Photoshop and graphic design skill
  - Lead a group of peers to design a motor boat for the Society of Naval and Marine Engineers Boat Design Competition
  - Modeled designs using the Prosurf software package and the Autodesk Suite
  - Used leadership as well as technical skills to guide team to a top twenty finish in the competition

- *Web Designer and Developer, Walk Bethesda, Bethesda, MD, 2015*
  - Used statistical methods to interpret police data to locate dangerous crossings for pedestrians
  - Published findings on website using HTML5/CSS3, Javascript, jQuery, Google Maps API, Tableau Software and Bootstrap
  - Advocated for pedestrian safety using website

Work Experience:

- *Research Intern, Rainking, Bethesda, MD, 2016*
  - Conducted research about major companies and organizations concerning mergers, bankruptcy and buyouts
  - Managed and maintained content uploaded into the database
  - Processed and uploaded crowd-sourced market research into Rainking's database

- *Web Designer and Developer, Bethesda, MD, 2015*
  - Published websites for small businesses and restaurants in the local area
  - Developed using HTML5/CSS3, Javascript, jQuery
  - Designed logos and other media elements

Skills:

- C, C++, HTML5/CSS3, Javascript, SolidWorks, Autodesk Inventor

Activities

- Research Paper Group, IEEE/ACM