

# Vishal Patel

123 Eddon Dr. | East Haven, CT 06512  
(203) 715-5605  
vishal.patel@yale.edu

## Education

**Yale University**, New Haven, CT, *Graduation expected May 2020*

Bachelor of Science in Mechanical Engineering and Bachelor of Arts in Economics

Cumulative GPA: 3.76

Awards/Honors: Edward M. Noyes II Scholar

**Hill Regional Career Magnet High School**, New Haven, CT, *Graduated June 2016*

Valedictorian, Class President, High Honors with Distinction

GPA: 4.83, SAT: 800 Writing, 780 Reading, 760 Math

Awards/Honors: AP Scholar with Honor, National Merit Scholarship Semifinalist

## Experience in Engineering and Design

**Bulldogs Racing (Yale Formula SAE Team)**, New Haven, CT

September 2016 –

*Build Shop Manager (November 2016 – present)*

present

- Streamline current workspace by creating new organization system for tools and materials

*Team Member (September 2016 – present)*

- Perform diagnostic tests on steering system and identify areas of concern
- Redesign steering system with Solidworks and manufacture new parts

**Design for America, Yale Design Studio**, New Haven, CT, *Project Team Member*

September 2016 –

- Implement user-focused design thinking philosophy to reduce childhood trauma in local homeless shelter

present

**Elm City Robo Squad (First Robotics Team 558)**, New Haven, CT, *Team Captain*

September 2012 –

- Managed team finances by creating business plan, writing grants, organizing fundraisers, and presenting to corporate sponsors
- Developed leadership structure for 60-member team with checks and balances to promote collaborative work and completion of tasks within necessary time frames
- Led team to finalist in Galileo Division at the 2016 FRC World Championship

June 2016

## Experience in Education, Research, and Finance

**Sci.CORPS at the Yale Peabody Museum**, New Haven, CT, *Museum Fellow*

September 2014 –

- Created and implemented lesson plans to educate visitors and employees
- Started a three-week summer program, Outdoor Corps, to provide environmental education to low income urban middle school students
- Supervised staff of 30+ with administrative duties such as scheduling, interviewing, staff evaluation, and promotions

August 2016

**UConn Mentor Connection Program**, Storrs, CT, *Researcher*

July 2014 –

- Investigated optical-audio link as a means for faster data transmission
- Created an apparatus to transmit sound waves using a laser

August 2014

**Elmseed Enterprise Fund**, New Haven, CT, *Education Department Team Member*

September 2016 –

- Develop and implement curriculum for local entrepreneurs and internal education

present

## Skills

Computer	Solidworks, AutoCAD Inventor, Python, C/C++, VBA, XCode, Adobe Design Studio, Final Cut Pro, Microsoft Office
Manufacturing	3D Printer, Laser cutter, CNC Mill, Mill, Lathe, Electrical wiring, Drill Press, Band saw, Power tools, hand tools
Language	Conversational Gujarati, Knowledgeable in Hindi and Spanish