Yash Goenka

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EDUCATION

- **University of California Berkeley** — Berkeley, CA
  Bachelor of Science in Computer Science and Engineering — *Expected Dec. 2019*
  - **Relevant Coursework**: CS 61A & CS 61B - Abstraction, Data Structures and Algorithms; CS 70 - Discrete Math; CS 61C - Machine Structures/ Architechture; Math 54 -Linear Alg and Differential Eq; EE 16A - Designing Information Devices and Systems
  - **Societies and Organizations**: The House - Incubator; Sigma Eta Pi - Entrepreneurship Fraternity; Space Enterprise Berkeley; Berkeley Hyperloop; Neurotech at Berkeley; Effective Altruism; Alpha Kappa Lambda; Blockchain at Berkeley

EXPERIENCE

- **Iris BCI** — Berkeley, CA
  Co-Founder — *March 2016 to Present*
  - **Type using Brain Waves**: Device allows people to type by just thinking and using their brain waves; Marketed to disabled individuals with Locked-In Syndrome; It is 10 times faster and cheaper than current solutions
  - **Startup Accelerator**: Received funding,working space and mentorship from experts in industry, startup founders and VCs.Pitched to Sequoia Capital and Greylock Partners; Find out more at www.freeventures.org

- **Berkeley Hyperloop** — Berkeley, CA
  Software Engineer — *Aug. 2017 to Present*
  - **Systems and Control**: Developed systems and control for Acceleration, Braking and Levitation Rig. Leading screw actuation and obtained data on forces in order to spec motor requirements
  - **Data Science**: Abstracted data coming in from sensors and designed test procedures

- **Space Enterprise at Berkeley** — Berkeley, CA
  Avionics Engineer — *Aug. 2017 to June 2018*
  - **Eureka-1 Rocket**: Part of Design, Recovery and Avionics teams; Working towards becoming the first undergraduate team in history to fund, build, and launch a rocket into space (surpasses 100-km altitude)
  - **Project Karman**: Designing the software and hardware that allows Eureka-1 to communicate with the ground, determine its position in space, modify its flight, and coordinate the timing of key events such as engine ignition, payload separation, and parachute deployment

- **Shapes Not Colors** — Kolkata, India
  Mobile Application Developer — *Feb. 2015 to March 2015*
  - **iOS game**: Coded, Designed and Published a simple, tough yet addictive game Free Download on iOS App Store (bit.ly/shapesnotcolors).

- **Graphene Supercapacitor** — Ahemedabad, India
  Private Researcher — *March 2014 to Aug. 2015*
  - **Research and Prototype**: Developed novel patented method to reduce graphene oxide to high surface area graphene; Built new energy storage device that can charge a phone in under 12s
  - **Accolades**: Recieved patent for novel method of manufacturing graphene (PatentNo.1179/KOL/2014); top 15 out of 5 million projects in Intel International Science and Engineering Fair India; top 27 out of 25000 projects in National Innovation Foundation (India) IGNITE award; Further research and patent lawyers were funded by National Innovation Foundation and Indian Institute of Management

SKILLS

- **Programming Languages**: Python, Java, Solidity, Javascript, SQL, C++, HTML, CSS, learning Ruby
- **Technologies**: AWS, React, Node.js, MongoDB, learning Rails
- **Spoken Languages**: English, Hindi, Bengali, learning French and Spanish