CHIRAYU JAIN

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Objective

To obtain an educational internship in the field of technology in fulfillment of Senior Experience for the academic year of 2016 - 2017.

Education

Academy of Engineering Design Technology — 2013 - Present
-Bergen County Academies — Hackensack, NJ
- IED I, IED II, CIM, Adv. EE, POE
- AP Chem, Ap Calculus BC, IB Literature

Cooper Union Summer STEM Program — June 2015 - August 2015
-Racecar Design through Engineering Experimentation — New York City, New York
- Researched and developed an improved manufacturing process for carbon fiber
- Gave a technical presentation about research and results

Experience

BCA's Student Lighting Crew — October 2014 - Present
-Head Student Lighting Operator — Hackensack, NJ
- Program auditorium lighting equipment for assemblies, meetings, plays, concerts, and performances
- Repair and maintain quality of lighting equipment
- Mapped all lighting channels for use as educational tools for future members

3D Printing Club — September 2015 - Present
-Organizer and President — Hackensack, NJ
- Established connections with e-NABLE to manufacture prosthetic arms using student and school built 3D printers
- Ran workshops at NJ Makers Day 2016 to teach students how to put together 3D printed prosthetic arms
- Teach classes on how to build, operate, and troubleshoot a 3D printer
- Review 3D printers, and accessories for local companies and provide feedback about durability, quality, ease of use, and improvement ideas

hackBCA — September 2014 - March 2015
-Lead Hardware Organizer — Hackensack, NJ
- Organized and managed hardware and electronics for distribution
- Supplied and ran 3D printers for public use

CS Camp — September 2014 - August 2015
-Organizer and Camp Counselor — Hackensack, NJ
- Helped fundraise and kickstart the first year of the program
- Taught the basics of computer science and arduino programming to lead students to a presentable project

NASA's Space Apps Next Gen — January 2015 - August 2015
-Hardware Organizer — New York City, New York
- Organized and managed hardware and electronics for student use
- Supplied and ran 3D Printers for public use at the event

Liberty Science Center — June 2014 - August 2014
-Volunteer — Jersey City, NJ
- Ran tour guides for visitors and gave demonstrations of various science experiments
- Helped design and construct a Rube Goldberg Machine for display and hourly demonstrations
- In charge of teaching kids how to solve the Rubik's Cube at the Beyond Rubik's Cube Exhibit

Lyndhurst Public Library — June 2013 - Present
-Volunteer and Organizer of The Summer Reading Program — Lyndhurst, NJ
- Helped organize and fundraise educational events throughout the summer

Skills

Technical Skills- AutoDesk Inventor, Solidworks, AutoCad, AutoDesk Revit, Unity, Xcode, Arduino, Java, Objective C, HTML, CSS, Javascript, G-Code, Microsoft Office, 3D Printing, Laser Cutting, CNC.
Languages- English- Fluent, Hindi- Fluent, Mandarin- Conversational

Student Organizations

| National Honors Society Member | TSA TEAMS Chapter's Co-President |
| South Asian Club's Events Coordinator | Do It Yourself Club's Organizer |

Awards/Accolades

HackCooper — February 14, 2014
-1st Place — New York, NY
TSA TEAMS — June 28, 2015 - July 3, 2015
-1st place statewide, 9th place national — Grapevine, TX
hackBCA II — March 28, 2015
-Best Pebble App — Hackensack, NJ
HackRU — October 11, 2014
-Best First Hack — New Brunswick, NJ