

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
Hackensack, NJ

-Bergen County Academies

- IED I, IED II, CIM, Adv. EE, POE
- AP Chem, Ap Calculus BC, IB Literature

Cooper Union Summer STEM Program

June 2015 - August 2015
New York City, New York

-Racecar Design through Engineering Experimentation

- 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
Hackensack, NJ

-Head Student Lighting Operator

- 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
Hackensack, NJ

-Organizer and President

- 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
Hackensack, NJ

-Lead Hardware Organizer

- Organized and managed hardware and electronics for distribution
- Supplied and ran 3D printers for public use

CS Camp

September 2014 - August 2015
Hackensack, NJ

-Organizer and Camp Counselor

- 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
New York City, New York

-Hardware Organizer

- 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
Jersey City, NJ

-Volunteer

- 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
Lyndhurst, NJ

-Volunteer and Organizer of The Summer Reading Program

- 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
South Asian Club's Events Coordinator

TSA TEAMS Chapter's Co-President
Do It Yourself Club's Organizer

Awards/Accolades

HackCooper

February 14, 2014
New York, NY

-1st Place

TSA TEAMS

June 28, 2015 - July 3, 2015
Grapevine, TX

-1st place statewide, 9th place national

hackBCA II

March 28, 2015

-Best Pebble App

Hackensack, NJ

HackRU

October 11, 2014

-Best First Hack

New Brunswick, NJ