

Brian Sun

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EDUCATION

Purdue University, West Lafayette, IN May 2024
Bachelor of Science in Data Science

Hillsborough High School, Hillsborough, NJ June 2020
High School Diploma
Weighted GPA: 100.28
Unweighted GPA: 92.08

PROFESSIONAL EXPERIENCE

Rutgers University, New Brunswick, NJ Jun 2019 – Aug 2019
Research Assistant

- Worked under a principle investigator and a team of undergraduate/graduate students to develop a 3D Shopping Mall Simulator (Nexus Malls, India) incorporating real data sets.
- Assisted in designing and creating behavior trees for agent interaction inside stores with C++ through the platform Unity.

Expreseo, Hillsborough, NJ Jun 2019 – Aug 2019
Web Developer Intern

- Designed and built websites using WordPress implementing custom HTML/CSS.
- Optimized websites to appear at the top of keyword Google searches using SEO methods.

Johnson & Johnson, Skillman, NJ Mar 2018 – May 2018
Technology Awareness Program Participant

- 1 of 40 students chosen in my class (~600) to implement a technological solution to deliver health care to 3rd world countries.
- Worked in a team of 4 to develop a solution, design a website, and present to a crowd simulating J&J executive. Voted as the 1st place team.

LEADERSHIP EXPERIENCE

Science Olympiad Team Sept 2019 – Jun 2020
A-Team Member

- Part of the Hillsborough High School Science Olympiad A Team for Division C ranking 4th overall at States (NJ), personally placing 1st and 3rd at states in events, Solar Power and Detector Building respectively.
- Placed in event exams as well as wired and programmed a waterproofed temperature detector using a TI-84 that could be calibrated using linear regression given sample points.

First Robotics Competition - Team 75 Sept 2016 – Jun 2019
Electrical Team Manager

- Delegated tasks and lead members through skill development exercises improving their general knowledge in wiring components, reading schematics, and designing circuits.
- Collaborated with other discipline teams to design and implement the electrical system onto the robot while assisting with programming debugging and maintenance before and during competition.

Electrical Engineering Club Sept 2017 – Jun 2019
Vice President

- Assisted in developing lesson plans and teaching the fundamentals of wiring, designing circuits, and reading schematics to team members.
- Helped present new project ideas and lessons to the team as well as lead our project presentation to local science fairs to promote electrical engineering and S.T.E.M.

Web Page Design Library Program Nov 2017 – Nov 2019
Founder

- Collaborated with my local library to schedule lead an annual introductory HTML/CSS programming class to middle school students teaching them fundamental web page design skills and ideas.
- Created lesson plans, practice problems, and projects for students to complete covering various topics of web page design.

TECHNICAL SKILLS

- Languages: Java, C++, R, HTML/CSS
- IDE: IntelliJ
- Hardware: Electrical Wiring, Circuit Board Application
- Programs: Unity, WordPress, Autodesk C.A.D. Electrical, Microsoft Word, PowerPoint, Excel