

Akash Chandra

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I am looking forward to an internship during the summer of 2020 in a STEM domain or related technical field. Currently I'm a junior at Fremd High School (Palatine IL) with a focus in engineering disciplines, class of 2021. I have a strong passion for physics, electronics, and all disciplines of engineering.

GPA, on a 4 point scale : Unweighted - 3.664; Weighted - 4.590

Advanced Placement Scores, on a 5 point scale:

- Computer Science Principles – 4.00
- Computer Science A – 4.00

Project Lead the Way Assessments, on a 9 point scale:

- Principles of Engineering – 9.00

Awards/Achievements:

- President's Education Awards Program in 8th Grade
- Targeting the "College Board" + "Project Lead The Way" recognition in Engineering

Projects:

- Battle Bots — participated in robotics club at Fremd High School
Design, build, and troubleshoot robots. I had the opportunity to build and design 3 robots at Fremd. We designed the robots in Autodesk Inventor, and built them out of polycarbonate, after getting the parts cut out on a CNC router.
- PasswordPawn — At Code 211 hackathon
Worked on a team of 4. I worked on a password manager in HTML and JavaScript, using local storage. I worked on the storage, encryption, and decryption of the program in JavaScript. (Available on GitHub)
- Inverness Soccer Club Website - I worked on the website for the local soccer league. This is a work in progress and is available on github.

Engineering Skills:

Autodesk Inventor, NI Multisim, MD Solids, CNC routing, MIG welding, plasma cutting, laser cutting, soldering, oscilloscope use, schematic reading, breadboarding, function generator use, radio equipment

Computer Skills:

Python, Java, Anaconda, Visual Studio, GitHub repository, Apache server, Wireshark, Microsoft Office, PHP

Interests & Activities:

- Inverness Soccer Club: Volunteered to support games, prepared field with goal posts and layout.
- Electronic Club President, for years 2019-2020: I help organize and set up multiple events, creating games and organizing the room.

Certifications:

- FCC Amateur Radio License - Technician Level
- USSF certified soccer referee grade 8 & 9 (Youth games and recreational leagues)
- NOAA SKYWARN volunteer

Previous Work Experience:

- *Soccer Referee* at Inverness Soccer Club: August 2019 - October 2019
I was a soccer referee for 1st - 5th grade.

Language Proficiency: English (first language), French (read, write, speak), Hindi (spoken).

Community Service

- Peer tutoring
 - I have helped my classmates in biology, geometry, chemistry and algebra II for one school year
- STEM related community service
 - I helped set up and run a booth explaining the STEM classes and extracurriculars at William Fremd High school.
 - Carl Sandburg STEAM fair - 2 hours
 - Freshman night - 6 hours
 - Palatine Library STEM fair - 3 hours

References: available upon request