

# 2018 Penn Electric Racing Application

\* Required

## General Information

Name \*

Kevin Sun

School \*

- ☐ SEAS
- ☐ SAS
- ☐ Wharton
- ☒ Other: M&T

Year \*

- ☒ Freshman
- ☐ Sophomore
- ☐ Junior
- ☐ Senior
- ☐ Master's

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What is your major? What relevant courses are you taking? If undecided, what are you considering? (We have an English major and one biochem major on the team) \*

Computer science, business analytics, cis

How did you find out about PER? \*

- ☒ Tour of Penn
- ☒ Search engine/Facebook
- ☒ Flyers
- ☐ Came to class
- ☒ Activities Fair
- ☐ Engineering Activities Fair
- ☒ Met someone on the team
- ☐ Other:

Which subteams are you applying to? \*

- ☐ Mechanical
- ☐ Electrical/Hardware
- ☒ Software
- ☐ Media

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## Why do you want to join those subteam(s)? \*

I'm interested in data analysis and computer vision, with extensive experience with OpenCV and ML libraries. Particularly, I hope to help out gathering/exploring/visualizing data collected from electric cars and possibly work on automotive team!

## What relevant experience do you have, if any? \*

Worked as a computer vision intern at energy asset management solutions startup in Harvard Innovation Labs → Used OpenCV for computer vision tasks (drone video image stitching) on production servers → Worked on machine learning projects such as solar panel defect detection with Tensorflow. I am looking forward to potentially applying similar projects to electric race cars!

## Are you interested in joining the Operations subteam at some point? \*

- ☐ Yes
- ☐ No
- ☒ Maybe

## What relevant operations experience do you have, if any?

Ran hackathon (is this operations)? Organized 12-hour hackathon for 250 participants from 40+ high schools at Microsoft venue, acquired 10+ corporate sponsors including Facebook and Akamai, raised \$10k+ of funding (<https://hacknehs.github.io/hacknehs/>)

## What other clubs/activities are you planning on joining? (This will not affect your application) \*

maybe consulting groups, penn labs, etc.

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Teach us about something you find interesting. 2-3 sentences \*

Spent a lot of time with solar panels/drones

List 3 improbable (fun/interesting) facts about yourself. \*

I've taken a variety of fun/interesting computer science seminars in high school! For example, Data visualization with D3.js and reading through Edward Tufte's visualization book, and writing an ethics paper on the Open Source movement.

Went to boarding school for 4 years in high school, spent a lot of time in makerspace surrounded by laser cutters, 3D printers, etc

Organized several smaller events besides hackNEHS, including clean energy hackathon only for my high school. Also delivered a TEDx high school talk.

List one serious personal goal you are working toward. This can range from learning to cook to learning a new language. \*

Becoming fluent with C++, as most of my

Don't forget to complete and submit the challenges for the subteams you're interested in. Feel free to reach out to team members for help and come to office hours. Good luck! \*

☒ I will submit my challenge by Saturday, September 8th, by 11:59PM.

A copy of your responses will be emailed to the address you provided.

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