

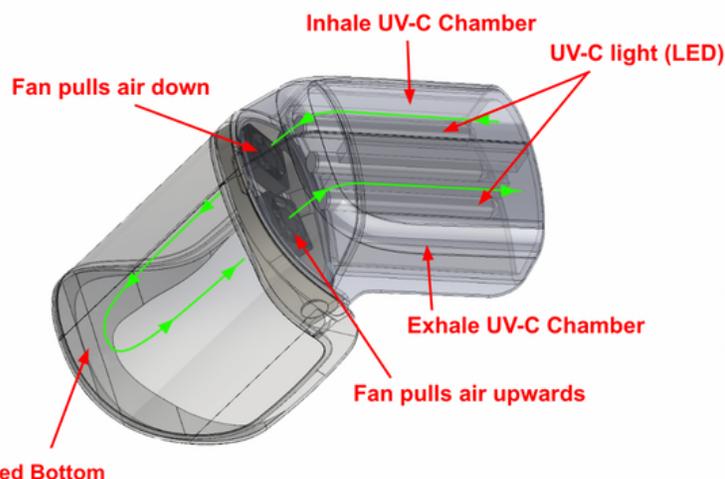
GOOD NEWS

From Public Invention RECENT ACCOMPLISHMENTS

by inventor(s) or invention teams

- Public Invention's sponsored senior year capstone team, "**Inhale-EZ Team**" from **Rice University**, won the "**Best Medical Technology**" of the **end-of-year capstone engineering competition** with a bag valve mask volume monitor to make emergency ventilation safer.
- One of the teams sponsored by Robert Read from Rice University won a Freshman Design Award for their **ultraviolet sanitation visor**, which made some design improvements to helpful engineering's [UVisor project](#).
- Veronica Stuckey** and **Robert L. Read** released a pre-print of their research paper, "**A Novel Passive Ferrofluid One-way (Check) Valve**," on **Engineering Archive (EngrXIV)**: [Link Here!](#)
- Public Invention has drafted a **NSF Grant application** for the following grant: [Click Here!](#)

UltraVisor-C Team - face shield design



OPPORTUNITIES

- Make a Public Invention/humanitarian engineering club at your school using this source: [link](#)
- Check out our current project ideas available for inventors and invention coaches to join: [Google spreadsheet](#)
- Do you have some progress to share with the general public/our membership regarding your current Public Invention project? Then submit your summarized efforts or any images to our Public Outreach Coordinator (Megan) for the next newsletter!

Email: outreach@pubinv.org

We invent things that help all people.
All of our work is in service to nurture humanitarian invention.

UltraVisor-C Team - Prototype



FOLLOW US!



MERCHANDISE STORE TBA

Do you like cool merch?

Well you are in luck! Check out our current merchandise drafts through our poll below and let us know what you think!

We hope to offer these products through our [website](#) soon, so stay on the lookout and help us make these designs even better!

The money raised through these sales help to fund our efforts and materials used!



Let us know if you have any feedback or preferences for available merch!

Email: outreach@pubinv.org

Take our poll below!

[Y/N Merch Options - Click Here!](#)



YOU CAN ALSO MAKE A DIRECT DONATION TO PUBLIC INVENTION THROUGH OUR WEBSITE! [CLICK HERE!](#)

LOOK OUT FOR OUR ANNOUNCEMENTS ABOUT [GRANTS RECEIVED TOO!](#)

NSF Grant Efforts - Funding for resources

Why are we doing this and what can the funds be allocated for?

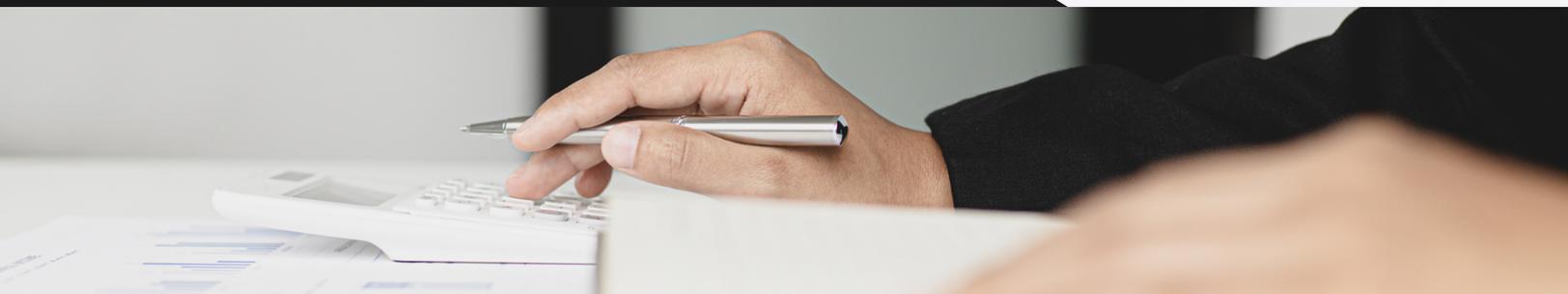
We are currently pursuing a new grant opportunity which has perked up the entire open-source community: **the NSF is offering \$20M for "Pathways to Open Source Ecosystems."** We believe that our **Freespireco project** (**Project Link- [Click here!](#)**) fits this grant opportunity well!

Current Status:

We have taken on professional grant writers to assist us in the application process and just submitted our application.

If we are awarded this grant, then we hope to use it by:

- Allocating 100k out of 300k to funding a professional community manager
- A majority of the money will be allocated towards symposiums/workshops for that project team
- The bulk of this grant will be used to create an inexpensive, modifiable research device for our Freespireco Team to target institutions seeking educational awareness (i.e., unifying future research teams, business people and educational institutions)



NSF Grant Link: [click here!](#)

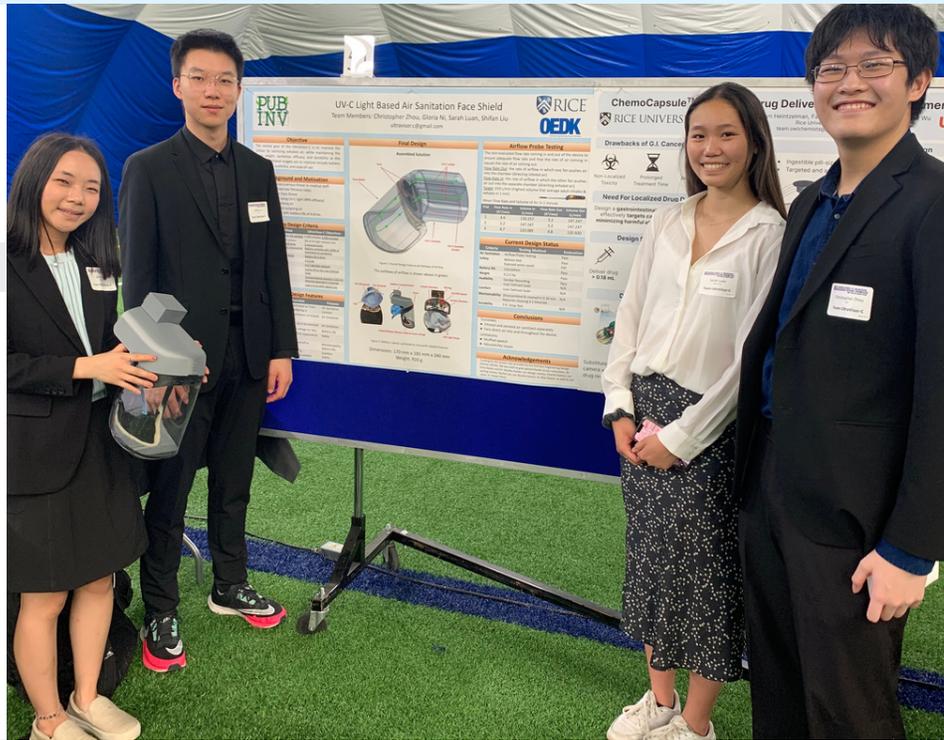


Congratulations to our sponsored project teams!

Here are some of the undergraduate design teams formed at Rice University and sponsored by Public Invention!

UltraVisor-C Team

Meet the **Ultravisor** team sponsored by **Public Invention** from **Rice University**! They won a **Freshman Design Award** for their **ultraviolet sanitation visor**, which made some design improvements to an existing **UVisor project** by **Helpful Engineering**. Their members (left to right) are: **Gloria Ni, Shifan Liu, Sarah Luan, and Christopher Zhou**.



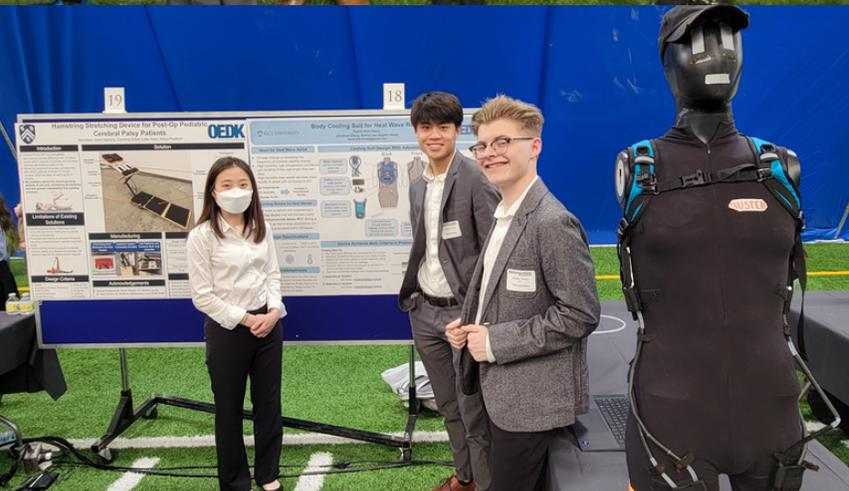
Inhale-EZ Team

Meet the **Inhale-EZ** team sponsored by **Public Invention** from **Rice University**. They made a **Bag Valve Mask Monitor**, and won "**Best Medical Technology**."

NOTE:

If you are interested in forming a sponsored team or joining our efforts as an invention coach, volunteer researcher, social media intern, or admin intern, then email our outreach coordinator here:

outreach@pubinv.org



The Hot Ones Team

Meet the **The Hot Ones** team who made a personal cooling suit. Their members (left to right) are: **Rachel Lee, Jonathan Chang, and Hayden Webb**.

GET TO KNOW OUR TEAMS:

For Inventors and Invention Coaches

Meet Our Inventors

From left to right, we have **Gloria Ni** and **Sarah Luan**. They are members of the **Ultravisor** team sponsored by **Public Invention** from **Rice University**. Their team won a **Freshman Design Award** for their **ultraviolet sanitation visor**, which made some design improvements to an existing **UVisor project** by **Helpful Engineering**.



UltraVisor-C Team - wearable face shield

This face shield uses UV-C light to sanitize the inflowing air, which has a proven efficacy of ~99% when disinfecting air, other fluids, and solid surfaces

UltraVisor-C design
repo/resources: [Click Here!](#)

UltraVisor-C design
video: [Click Here!](#)

NOTE: If you are an **Inventor, Invention Coach, or an external partner** interested in offering your feedback too, then **please email us at outreach@pubinv.org** to set up a possible interview or send us your testimonial typed!

QUOTE OF THE MONTH

"Concentrate all your thoughts upon the work at hand. The sun's rays do not burn until brought to focus."

- Alexander Graham Bell

