

WOMEN IN COMPUTER SCIENCE PRESENTS...



HACK+HEALTH

- HEALTH THEMED HACKATHON •
- MINORITY AND BEGINNER FRIENDLY •

September 10 2016

9AM - 10PM in Old CS 2120



PRIZES

FOOD • RECRUITING • COMPANY SWAG • YOGA



www.hackhealth.tech



[Facebook.com/groups/sbuwics](https://www.facebook.com/groups/sbuwics)



www3.cs.stonybrook/~wics



WICS

Welcome

Hello and welcome to HackHealth presented by Women in Computer Science! This is will be the second year we are hosting HackHealth and we had over 150 registrations! We hope that you, our attendees, will make this another spectacular and successful event.

HackHealth is a one-day, health-themed hackathon that is taking place right here on the Stony Brook campus! We are collaborating with the CAPS and the Campus Rec Center to provide our attendees with information on how to stay healthy and potential inspiration for project ideas. We're also bringing back our Yoga and Meditation class!

The whole idea of HackHealth is to give everyone a chance to have fun and try new things that you otherwise wouldn't have a reason to try. Feel free to experiment with new languages, APIs, data sets, libraries, frameworks, hardware, and anything else you can think of! Don't feel obligated to hold to the "norms" of what people create at hackathons. You don't have you use the most popular stuff or make an app just because you think that's what everyone does. The most inspiring and awe-striking ideas are often the ones that are entirely off the beaten path, and we encourage you to do whatever it is that inspires you!

Schedule

Time	Activity
9:00am	Sign In, Breakfast/Team Forming
9:30am	Welcome, Collaborator Presentations
10:30am	Hacking Begins
1:00pm	Yoga and Meditation Class
2:00pm	Lunch
7:00pm	Hacking Ends, Snack Time
7:30pm	Judging Begins
8:30pm	Judging Ends
9:00pm	Prize Ceremony, Winners' Presentations
10:00pm	HackHealth Ends

Code of Conduct

Everyone coming to HackHealth wants to have a good time, and we want to ensure that you do. To this end, we are holding everyone (attendees, volunteers, and mentors alike) to a couple of rules.

1. *Respect everyone around you.*

Everyone here is a human being with thoughts and feelings of their own. Respect everyone's boundaries, be considerate, and think before you speak.

2. *We will not tolerate disruptive behavior or harassment of any kind.*

If you actively harass, discriminate against, or hurt any other attendee, **we will throw you out.** Everyone deserves a safe and comfortable environment to hack and have fun in, regardless of race, gender identity, sexual orientation, transgender status, disability, or any other characteristic of their being. Remember that bias (sexism, homophobia, etc.) can be subtle. And don't be lewd or tell crass jokes.

3. *Remember that many other attendees may not be as experienced as you.*

You may think that your showing off won't hurt anyone, but it may put people down and make them feel unqualified to be here. If someone doesn't know something, don't be dramatic and make them feel dumb. Instead, teach them about it. They probably know a lot that you don't, too.

4. *Don't be a sore loser or sore winner.*

Yes, you are competing for prizes. And yes, you should be competitive and try to make your hack the best it can be. But don't go overboard. If you spend all of your time trying to one-up someone else, neither of you will enjoy yourselves. HackHealth aims to be as stress-free an environment as possible.

5. *Put your mess in the trash.*

No one wants to spend 12 hours hacking in a dumpster. Please throw away your trash and be careful not to make a mess. And for the love of all that compiles, be careful with your drinks! (For those of you who don't know, there are computers in the desks.) If HackHealth ends up damaging equipment or leaving behind a humungous mess, we won't be allowed to have food in the rooms ever again.

By coming to HackHealth, you agree to abide by all of these rules from the moment you step through the door. If you violate these rules, we will give you a warning. If you continue to violate them, you will be disqualified and asked to leave.

If you experience any issues, harassment, or discrimination; if anyone is doing anything to make you or others uncomfortable; if you fear for your safety or the safety of someone else, **please do not hesitate to tell us.** You can tap an E-Board member to speak privately or you can leave us an anonymous note on the podium at the front of the room. Don't think that you just have to put up with it.

And if you hear or see anyone doing something against the rules, or just being a jerk, don't be afraid to tell them so. In many cases, especially if it's subtle, they may not know that they are doing something wrong, and your words will make them a better person. If they become confrontational, we will back you up. Please help us make HackHealth a good experience for everyone.

Collaborators

In order to provide our participants with more information about the various health and wellness topics, such as fitness, nutrition, and mental health, we are collaborating with several on-campus facilities and resources.

Counseling and Psychological Services

CAPS provides students with psychological and psychiatric services, so that all students can flourish in the campus community. Through CAPS, students have access to licensed and certified professionals that are happy to help with any difficulties. CAPS has two locations: on West Campus, on the 2nd floor of the Student Health Center (across from Mendelsohn and H Quads); and on East Campus in the Health Sciences Center Office, Level 3, Room 3-040F.

You can find out more about CAPS here: <http://studentaffairs.stonybrook.edu/caps/index.html>

Campus Recreation Center

The Campus Recreation Center is the place to go when you want to exercise. It offers all kinds of machines and fitness equipment, along with a wide array of fitness classes to appeal to everyone's tastes. The Rec Center also provides students with the opportunity to participate in intramural sports, club sports, and lots of special events. Available facilities include basketball courts and an indoor track. (Also, if you're a woman who's looking to get a great workout and build confidence, you should try Pink Gloves Boxing!)

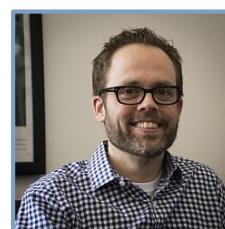
Discover what interests you here: <http://studentaffairs.stonybrook.edu/rec/>

Presentations and Activities

Thanks to our collaborators, we are happy to offer our attendees several interesting presentations on a couple of different health topics, as well as a yoga and meditation class to give you all a quick stretching break.

Maintaining a Balanced Mind

First up in our collaborator presentations, we welcome Dr. Julian Pessier from CAPS. He earned his Ph.D. in Clinical Psychology at the New School for Social Research and is currently the Interim Director of CAPS. He has worked here as a counselor and mentor since 1999, and became Director in 2013. Today, Dr. Pessier will talk about work/life balance, wellness tips, and the availability of many different types of support from CAPS to fit students' busy schedules.



Nutrition in the Digital Age

Sotiria Everett discusses how digital apps can be applied to help people make better diet choices and enhance healthcare delivery. She touches upon several different categories of health apps, including meal-tracking apps, fitness apps, and special diet-specific apps, among many others. She also explains what the health app industry is currently lacking and makes suggestions on opportunities that can currently be explored.



Staying Fit on Campus

Jared Hudson is the Personal Training Coordinator at the Stony Brook University Campus Recreation Center. He acquired a Fitness Specialist A.S., Degree from Suffolk County Community College. He has a background in Sport Management from when he attended St. John's University. He has coached wrestling, lacrosse, and football in his hometown, Brentwood. He is currently on the Stony Brook Rugby team and is in pursuit of a Bachelor's degree. Today, he will talk about the various aspects of health, fitness, and wellness movement, good practices while exercising, things to watch out for, and how technology influences the fitness industry.

Yoga and Meditation Class

At 1:00pm, right before lunch, we will be having a Yoga and Meditation class hosted by Richard and Claire. Weather permitting, the class will be held outdoors. In case of inclement weather, it will be changed to meditation indoors. Richard and Claire are both certified in Yoga, among many other programs. Please join us for this nice break in the middle of hacking to reset your brain, so that you can continue to code at your peak!

Sponsors

Please join us in thanking our wonderful sponsors for making HackHealth possible!

Gold

Netsmart Technologies



Established in 1968, Netsmart is one of the longest standing IT companies in the US! For over four decades, Netsmart has focused on creating software solutions for healthcare and human services. They work closely with their clients to solve problems, as well as come up with innovative ways to preempt their future needs. Netsmart's products are used by over 23,000 client organizations, which include more than 40 state systems and over 450,000 care providers.

Learn more about Netsmart here: <https://www.ntst.com>

Search for positions here: <https://www.ntst.com/careers>

Applied Visions



Applied Visions has a long history of creating innovative visual solutions to solve complex problems. They have made award-winning commercial software products for leading technology companies by combining the expertise of their top engineers, researchers, product developers, and interaction designers. Founded in 1987, Applied Visions has earned both industry and government recognition for the quality, innovation, and ease-of-use of their products.

Learn more about Applied Visions here: <http://www.avi.com/>

Search for positions here: <https://www.avi.com/company/careers/>

Silver

FireEye



FireEye delivers comprehensive cyber security as a service to help its consumers detect, analyze and respond to attacks. Their unique approach to security has earned many accolades, including the Wall Street Journal Technology Award and the JPMorgan Chase Hall of Innovation Award. Created in 2004, FireEye has over 4,000 customers across 67 countries, including more than 650 of the Forbes Global 2000.

Learn more about FireEye here: <http://fireeye.com/>

Search for positions here: <https://fireeye.com/company/jobs.html>

Bronze

Google

Google was founded in 1998 by Larry Page and Sergey Brin. Since starting as a search engine, Google has greatly expanded to include many different products and functions, notably Gmail, Android, YouTube, Google Chrome, and Chrome OS.



Learn more about Google here: <http://www.google.com/>

Search for positions here: <https://google.com/careers>

GitHub

Github was made in 2008 and quickly become one of the most popular web-based repository hosting service and social networking site for programmers. It offers all of the distributed version control and source code management functionality of Git as well as adding its own features.



Learn more about Github here: <http://www.github.com/>

Search for positions here: <https://github.com/about/jobs>

Twilio

Founded in 2007, Twilio is a cloud based service that enables powerful communication between mobile devices, services, and systems throughout the business in order to bridge the gap between conventional communications.



Learn more about Twilio here: <http://www.twilio.com/>

Search for positions here: <https://www.twilio.com/company/jobs>

DigitalOcean

Established in 2011, DigitalOcean quickly grew to be a leading worldwide hosting company. They provide a simple and robust cloud computing platform, designed for developers. DigitalOcean is passionate about simplifying web infrastructure and building a product that developers love.

Learn more about Digital Ocean here: <http://www.digitalocean.com/>
Search for positions here: <https://www.digitalocean.com/company/careers/>



Clarifai

Clarifai is an artificial intelligence company that excels in visual recognition. Created in 2013, Clarifai provides powerful image and video recognition technology built on the most advanced machine learning systems that is easily accessible by a clean API.

Learn more about Clarifai here: <http://www.clarifai.com/>
Search for positions here: <https://www.clarifai.com/careers>



Namecheap

Namecheap was founded in 2000 with the idea that average people of the internet deserved value-price domains and stellar service. It is a leading ICANN-accredited domain name registrar and web hosting company, offering domain names at some of the best prices in the industry.

Learn more about Namecheap here: <http://www.namecheap.com/>
Search for positions here: <https://www.namecheap.com/careers.aspx>



Prizes

We believe that everyone, regardless of programming level, should have a chance to showcase their project and compete for a prize. To this end, we have decided on five prize categories which everyone can enter. Please note that teams are officially capped at three people. You can form larger teams if you like, but you will have to divide the prizes amongst yourselves if you win.

Netsmart Prize for Most Ambitious Hack

So maybe you didn't completely, entirely finish your hack. Maybe you did. Maybe you bit off a little more than you can chew in our seven hours of hacking. That's ok, and it's actually awesome! Our hackers are definitely encouraged to take on interesting, difficult projects and to continue working on them after HackHealth ends. If your hack is totally mind-blowing, run for this prize!

Applied Visions Prize for Most Well-Crafted Hack

It's difficult to get a project both functional and looking its best at the same time so we definitely respect those that spend time perfecting the visual design of their hack. This prize will be awarded to the hack that has the nicest front end. If you put a lot of work into your UI, your graphics, or all of the little details, and a user will look at it and fall in love, run for this prize!

Most Influential Hack

As this is a health-themed hackathon, Most Influential will be awarded to the hack that has the potential to make a big impact. This impact can be on the whole world or on a small community of people, but if your hack can make people's lives better or easier in a profound way, you should run for this prize.

Most Learning Hack

Not everyone comes to hackathons with a lot of experience under their belt and a well-developed skillset. Some of you are just beginning your coding career, and many have never been to a hackathon before. Your projects may or may not be the most complex, but they are definitely fantastic, because you will be learning and gaining valuable skills that will come in handy later in your careers. If you had to figure things out from scratch, run for this prize!

Most Original Hack

The great thing about hackathons is that you can use this time to bring any idea to life. We think all of your ideas are fabulous, but this award is for those who have the most fascinating, eye-catching, or mind-blowing project. Very often, it is the idea that no one else has ever thought of before that can do the most good or make the biggest impact. If your idea makes us say "WOW," this is the prize for you.

Judging

Our mentors will be doubling as judges and will be joined by members of the WiCS E-Board to decide on first and second place winners for each prize category. Each mentor and WiCS member will be responsible for one category.

We will create a Google form to facilitate the judging. Each team may submit themselves for any number of prize categories. Teams must come up with a unique team name (it can be as boring or as elaborate as you like) with which to identify themselves to the judges. Judges will then walk around and teams will demo their projects to them.

Once judging concludes, participants will be treated to some snacks and socializing time while the judges deliberate and decide on the winners. Finally, once selected, the winners will be announced and will then present their projects to all of us.

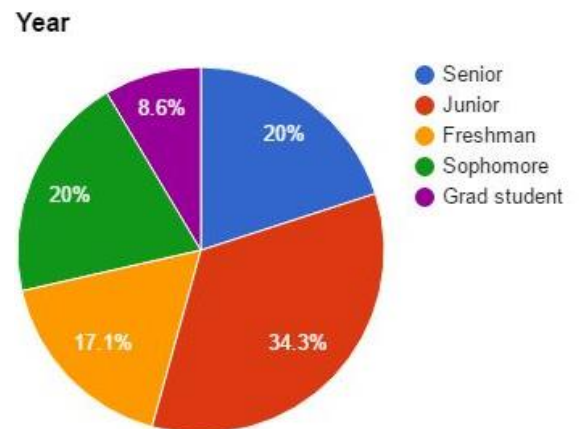
About You

We welcome everyone to HackHealth! Statistical info about you guys is very interesting to us, because we want to make sure that all of our attendees feel comfortable in their environment, are not stressed or anxious, and enjoy themselves as much as possible. Here's some of the info we collected below.

Newcomer Friendly

Programming is a difficult skill and can be difficult to get into, so it is often the case that students who are still early in their careers feel intimidated by hackathons or think that they are not experienced enough to come up with a good project. That's why we're proud to say that a combined **37%** of our registered hackers are **freshmen and sophomores!**

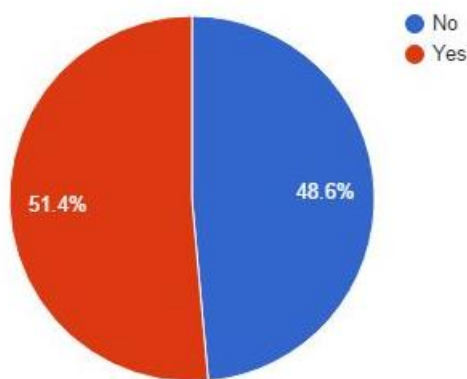
Worried that you've missed your chance? It's never too late, as proven by the **9% of grad student hackers**, some of which have never been to a hackathon before. Everyone is welcome and everyone can create something awesome!



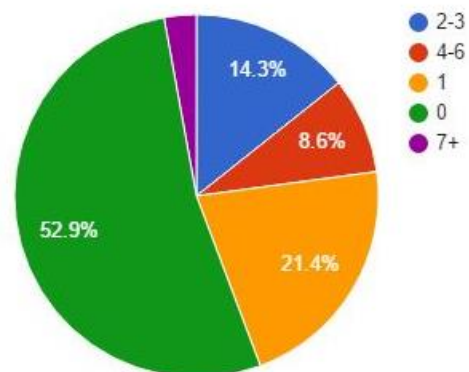
First Time Hackers

Speaking of previous hackathon experience, we are also happy to say that for more than half of you (**51%**), this will be your first hackathon! And for the other half who have previously been, a majority have only been to one! Best of luck to everyone and have fun!

First Hackathon?



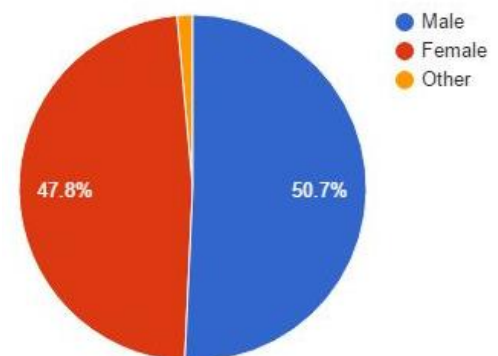
Previous Hackathons



Girl Power

It's no secret that hackathons often suffer from **underrepresentation of women**. This may be because women don't feel comfortable coming to an event that is frequently male-dominated, or they do not feel as though they are qualified enough because all the other male hackers have much more experience than they do. As a Women in Computer Science organization, combating these deplorable statistics is our job! Women are welcome and encouraged to attend, and we are happy to say that **almost half of you (48%) identify as female!** Rock on, ladies!

Gender



Thank You

We would like to take this opportunity to thank our mentors for coming to HackHealth and lending their expertise to help our hackers bring their ideas to life. We thank you for giving up a day to hack with us, and hope that you had an excellent experience. Maybe we'll see you again next time!

We would also like to thank our participants for signing up for and attending HackHealth. We are happy that we were able to create an event that has clearly captured a lot of interest. Thank you for supporting HackHealth and WiCS with your participation. We hope you had fun, and we hope to hold HackHealth again in the future!