

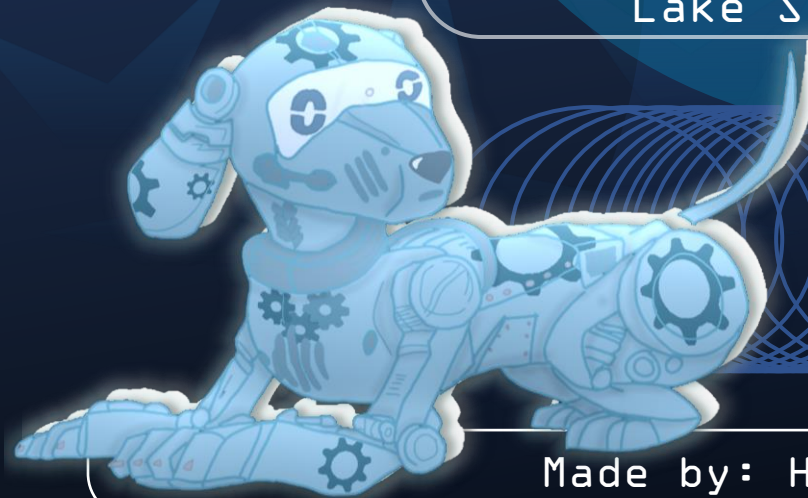
# CIRCA POWERED GIRL POWERED

Our spin on this.  
Our history. Our  
purpose.

Building the future  
day by day and  
piece by piece.

*Audentes fortuna  
iuvat.* Fortune  
favors the bold. ■

Bluez Cluez (8931E)  
Lake Stevens, WA



Made by: Hailey Tsang



# ABOUT BLUEZ CLUEZ

*From our team dynamics, skills, to strategies!*

# MEET THE TEAM

She's currently a senior in high school and attends numerous extracurriculars, including jazz band.  
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As of now, Bluez Cluez (8931E) consists of three people: Hailey, Jackie, and Mikenzie.



MIKENZIE  
mainCODE: Notebook



JACQUELYN  
mainCODE: Programmer



HAILEY  
mainCODE: Rookie  
Mechanic

Her nickname is Jackie, and she is also a senior! She's been apart of robotics for several years and is always a sound source for reasoning and ideas.  
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This is Hailey's first year in robotics, but after meeting her team, she's more excited than ever to compete and participate!  
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# JOB DISTRIBUTION

No individual person is confined to a job in Bluez Cluez, everyone takes part in whatever needs to be done.

Whether it be programming, which is mainly handled by Mikenzie and Jackie, or building the bot, which is done by all teammates, everyone will work together.

We communicate effectively and hear each other's ideas.

The majority of the coding is handed off to Jackie, since she's most comfortable with it and has been doing Robotics the longest!

Mikenzie is often helping and giving feedback or suggestions, while she herself is working on the notebook, constantly updating it and taking new notes for us to review.

Hailey handles any building or disassembling that needs to be done fast, in order to switch parts out for better alternatives and make sure that all materials are used for an actual purpose.

Of course, Steve is our on-the-fields expert, focusing on rollers and pushing shooting bots away from the high goal.





# OUR TEAM DYNAMIC

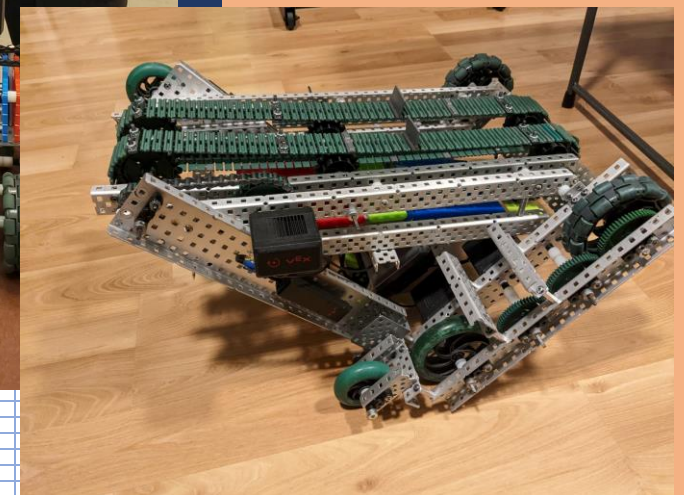
Both Mikenzie and Jackie have spent a considerable amount of time in robotics, Jackie for almost six years, and Mikenzie for four. They've had much more time to work and learn about each other.

While Bluez Cluez has changed over the years, their core values as a team have not. Everyone shares the work and helps each other when we need it, and while no one is exactly team leader, it actually helps the way we work. We share our ideas and consider what every person says without condescending the other and present different variables that may interrupt said idea.

As an extension, our friendship and level of trust brings us farther than one might imagine. Even if it's a losing game, you're inspired to work harder by your teammates, to do better the next time and not let your mistakes catch you again.



NOTES: Steve is, initially, too top-heavy. ERROR#  
////  
=SOLUTION: wheels attached to back; stops from dropping backwards from imbalance.



# “GIRL POWERED” TO US

When we hear “Girl Powered”, we think of equality. The same opportunity for all, to simply let people—regardless of gender—fall into the rhythm of what they want. We think of offering the same opportunities without pressure of outside and uncontrollable circumstances to be the definition of power. The ability to carve your own way and set the bar high enough that if you push yourself hard enough, you can overcome and learn from anything and everything. I used to think “Girl Powered” was immature. Childish, in a way, it was something you’d hear in a kindergarten classroom. But now I see it in light, because that’s the point. To instill in young children that your circumstances should never guard you from what you want to be or do, so that you can grow up unashamed of your intelligence and have your

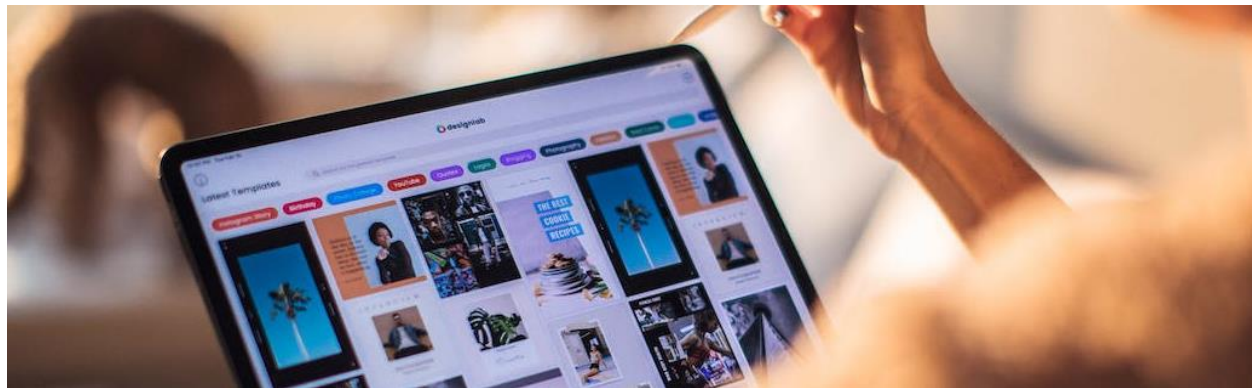
curiosity be unwavering, no matter how others try to uproot you.

“Girl Powered” is all the women who came before us and fought for these opportunities, these choices and these rights that we didn’t have before. They paved the path for people of all kinds now to branch out and make their own way, and to us “Girl Powered” is taking those chances. Those risks and calculations to lead ourselves to an ending that we want. “Girl Powered” is living to our fullest potential and embracing what we did not have before, and showing the world that gender is but a bare difference in STEM. Physically, everyone might be built at different capabilities, but with hard work? Hard work can get you any knowledge that you may seek with enough passion, and as the saying goes: **knowledge is power.**



# OUR GOALS IN DIVERSITY

## Why Are There Less Women In STEM?



Out of our near 100 members currently enrolled in our Robotics club, why are only roughly 10 of the members girls? Partially, this is likely due to the stigmatization that women are not as capable in the STEM field. Or, even if they know they are capable and smart enough, they are chased away by the attitudes of boys and the condescending, holier-than-thou looks they might get upon joining. Sure, it's not as nerve-wracking as long as you have a friend there, but at least once, everyone woman or girl in STEM have experienced the feeling of being looked down upon. Of being smaller than they really are and being pressurized by simply their born gender.

*“But how does diversity affect your team?”*

No different than it affects any other team. Frankly, male, female, or even mixed gender teams barely have an affect on chemistry overall. It just depends how well you can communicate and work together and having a healthy balance between yourselves. Sometimes it works out, sometimes it doesn't, but what *does* matter is the effort. How much are you willing to commit? How much time and energy and thoughts can you take out of your day to work with these people that'll eventually become your routine? Almost everyone is capable of anything, but at the end of the line, it depends on you.



# OUR GOALS IN DIVERSITY

## *So, what can be done?*

It's a matter of time and progress, slowly, I hope that as more girls join STEM related classes and as more women become a part of engineering, sciences, and technology, the girls who grew up believing they couldn't amount to something would finally realize, with just a little push, that nothing can hold them back but themselves. It's being a role model for younger girls and yourself and whoever's around you. It's being in the classroom and treating all people the same.

There is potential in everyone, and whatever minds grow as they age should not be stamped out by anything, especially the school system. A hard worker is invaluable, because no matter how sharp the mind, if you don't refine it, it will never stay as sharp as you'd like. I want girls who were just like me when I was younger, feeling insignificant and incapable of much, to be able to live without that boundary from their classmates, brothers, fathers, and teachers. Let their minds run loose and their curiosity burrow questions inside their mind until they find a way to outlet it into something that the world can see for itself.



**NOTE:** this cat seems to enjoy building robots as well?

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**CODE:** Pirate

**STATUS:** *Passive*; one of Jackie's cats



# OUR ROLE MODELS

While history's acknowledgement of women pushing the world forward is rather bare, that doesn't mean we are without them. **Margaret Hamilton**, a software engineer for NASA, is our primary role model. She handwrote Apollo's code, which would become detrimental to traveling the moon and acquiring new, never seen or discovered before information. Her determination and hard work shone through, and without her, in the America as we know it today, especially with space travel, would not be the same the same without her. Hamilton was not the first nor the last to persevere and achieve great things, but her stance in history will remain a tactful point—one that we can only hope won't be buried underneath the rubble of all the other historical woman who have made the world what it is today. Our role models are also all the unnamed, unfound women who have changed the world behind our backs, but are now lost to the world due to the scarce acknowledgement they may have received.



Seeing the ways that Hamilton has changed the world and made way for a new generation of discovery and curiosity, she inspires me to make sure that everyone knows their potential. That no matter where someone, especially women, are in life, they can always learn something new, pursue their desires and the knowledge that they might crave.

I hope women in STEM know their worth is equal to that of a mans', and the differences are slim, only made noticeable by the ones who are uncomfortable with our presence.

Change is long overdue and owed. In Robotics, Computer Science, Engineering, and much, much more, I hope that anyone can thrive given the opportunities and chances without squandering them. "Girl Powered" can change the world, one day at a time, with every new discovery and invention.

`_FINAL ENTRY_`

`CODE: Blu`

`STATUS: Friendly; Bluez`

`Cluez mascot`

`NOTE: he no longer  
receives letters, but  
rather emails`

