Phoebe C. Achonwa

(510) 935-5462 ● pachonwa6@gmail.com ● https://pachonwa.github.io/Portfolio/GirlsWhoCodePortfolio.html

EDUCATION

University of California, Santa Cruz, *B.S. in Computer Engineering……..September 2018 - June 2022*

- **Extracurriculars:** NeuroTech(Hardware Team), CruzHacks(Sponsorship Team), National Society of Black Engineers(NSBE), African Student Union(ASU)
- **Relevant Courses:** Data Structures and Algorithms, Computer Systems & C programming, Logic Design, Computer Architecture, Advanced Programming, Principles of Computer Systems Design
- **Achievements:** 1st place in US at NeuroTechX competition - Fall

WORK EXPERIENCE

Amazon (Seattle, WA)

Software Engineering Intern……June 2021 - September 2021

- Worked on the Amazon GameLift team to provide customers with inaccessible underlying hardware metrics (CPU & Disk usage, memory, etc.).
- Developed backend using Java to create and update xml APIs, update a dynamoDB database with version bucketing and implement AWS Cloudwatch and AWS Simple Storage Service(S3).
- Created around fifteen unit tests using Mockito and JUnit to test various user inputs including edge cases.

Five Guys (Hayward, CA)

Cashier …… July 2020 - January 2021

- Managed customer transactions with a cash register. Administered receipts, refunds and change to customers.
- Maintained high customer service standards during high volume hours and assisted team members in times of need.

PROJECTS

Mechatronics Project (Santa Cruz, CA)

Team Member…… October 2021 - December 2021

- Collaborated as a team to design and build a robot that would autonomously navigate a field using beacon detectors and deposit a ball into three towers using trackwire, tape and bump detectors.
- Led the implementation and programming of a microcontroller with all functions and movements for the robot using C. Used event checkers to read data from the beacon, trackwire, tape and bumper sensors. Sent data to the robots' rc servo motor, wheels and microcontroller LED lights. Implemented a top level and sub hierarchical state machine.
- Soldered circuits for the sensors and RC servo motor. 3D printed CAD design of robot from MDF plywood.

NeuroTech (Santa Cruz, CA)

Hardware Team Member…… April 2019 - January 2021

- Used AutoDesk Fusion 360 to create headset design which included housing for the electrodes, battery pack and board. Attached copper wire skeleton for electrodes to the headset structure.

Workday, Girls Who Code (Pleasanton, CA)

Girls Who Code Mentee …… June 2017 - August 2017

- Developed basic skills in robotic programming, web development and programming languages. Skills exposed to: Arduino, Python, HTML, CSS, Scratch and Javascript.
- As a first ever coding project, HTML and CSS skills were applied to style and organize three pages of a web portfolio which listed popular cities and their notable restaurants, activities and celebrities from the bay area.

SKILLS

Programming Languages: Java, C, HTML/CSS, Matlab, AutoDesk Fusion 360, SQL, MIPS Assembly
Technologies: Git, Linux, Agile
Spoken/Written Languages: Fluent in English. Elementary proficiency in German and Spanish.