Emmaline Mai

	Elimanie Wal	
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Education		
	gie Mellon University, School of Computer Science, Pittsburgh, PA Bachelor of Science, Computer Science	2023
• Lynbro	ook High School, San Jose, CA	2019
• COSM	OS Computer Networking and Robotics Cluster at UC Santa Cruz Programmed a state machine for a robot to navigate a maze with sensors	summer 201
Work Experien	ce	
Assista	ant Instructor at Galileo Learning (45 hrs/wk)	summer 201
0	Worked with instructors to teach kids to create their own IOS apps and anima	tion projects
Teachi	ing Assistant at Digital Media Academy (45 hrs/wk)	summer 201
0	Worked with instructors to teach kids coding/AI concepts, robotics, animation	, and electronics
Leadership Exp	perience	
	Robotics Competition- Mechanical & Animation Director (1200+ hours)	2015-19
0	2016-2019 Regional Chairman's Award Winner, 2019 Regional Winner	
0	Contributed to prototyping, CAD, fabrication, digital animations, programming	5
0	Designed/built an elevator & arms for the robot to climb onto a 19" tall platfo	rm
	ntary School Game Coding Club - Founder and President (4 hrs/wk)	2017-19
	Created curriculum and website; led meetings	
	Vho Code Club - Treasurer (4 hrs/wk)	2015-19
0	Taught 100+ students each year to code with HTML/CSS and JavaScript	2045 40
	Lego League - Mentor (4 hrs/wk)	2015-18
0	Mentored 4 teams; organized 2 scrimmages; volunteered at 5 tournaments Helped created an instructional YouTube channel (STAMPS Learning) with 508	lk vious
○ ● Girl Sc	outs - Senior Troop Leader, Senior Patrol Leader, Webmaster (2 hrs/wk)	2012-19
	OpenCV-Python, Java, Solidworks, Android Studio, Autodesk Maya	2012 13
•	openev Tython, Java, Johaworks, Anarola Stadio, Aatoaesk Maya	
Projects	Lucia Tana Daria t	2010
-	e Jump - Term Project	2019
0	Platformer game that uses OpenCV-Python color detection for users to draw p	
• CMILE	Dijkstra's algorithm for enemy AI, file I/O for leaderboards, and parallax backg Personalized Dining App - Hackathon Project	2019
• CIVIO P	Collaborated to create an Android app that continuously tracks GPS location a	
O	preferences, then uses an algorithm to generate an individualized list of dining	
	preferences) their ases an algorithm to generate an marriaganzea list of animig	, rocations
Activities	Nuls Dob Orob octua Hardwara & Coftwara Tagra Marabar	2010
	Club - RobOrchestra Hardware & Software Team Member	2019-now
• CMU S	Designing a robotically played ukulele; using vision to detect the tempo from has been stakes Buggy Team - Mechanic	2019-now
	Nuseum of Innovation - Volunteer Exhibit Interpreter (130+ hours)	2019-110W 2017-19
	Museum of milovation Volunteer Exhibit interpreter (150) hours	2017-13
Awards	CAnnowled for Assignations in Communities National Household Baseline - ACCUSA A	2040
	F Award for Aspirations in Computing National Honorable Mention, Affiliate A	
	outs Gold Award Combated lack of youth interest in STEM by founding a youth coding club	2018
0	Combated lack of youth interest in STEM by founding a youth coding club	