







The Science of Activity-Predictive Cyber-Physical Systems (APCPS)

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ApCPS Digital Memory Notebook

Carrier 🕈 7:2	23 PM94%				
TODAY CALENDAR	PROFILE NOTES				
+ Add Entry/Event	Monday September 04				
Click any item in the To Do list for more informati					
	Water Plants				
Breakfast With Jim	Breakfast With Jim 09:00 AM - 10:00 AM				
10:00 AM	Lunch with Martha 11:00 AM - 12:00 PM				
11:00 AM Lunch with Martha	Enter_Home				
12:00 PM	Eat 07:08 PM				
1:00 PM	Wash_Dishes				

Cognitive prosthesis for individuals with memory impairment

Smart home-generated task checklist and task prompting

Evaluated with younger adult, currently testing in homes with older adults youtube.com/watch?v=mO7GCqgGBGk





+ Add a New Task					
C	Click any item ir	the To Do list for	more information		
	01:59 PM	COOK			
٢	Detected at 02:44 PM	Take Medication			
٢	Detected at 02:50 PM	Work	Click to Cor	Click to Confirm	
٢	Detected at 03:34 PM	Work	Click to Cor	Click to Confirm	
	Detected at 05:29 PM	Leave Home	Click to Co	Click to Confirm	
۲	M	Cl	ick to Confirm > 30 r before task ti	ninutes predicted me	
۲	Μ	Cli Medication		nutes e predicted ime	
۲	C Medication		10 mi before task t	nutes e predicted ime	
۲	N	C	lick to Confirm	dicted task has past	









Broader Impacts



Multi-disciplinary training ntg.ailab.wsu.edu



Shared data, tools, & smart home kits around the world

K-12 museum exhibit