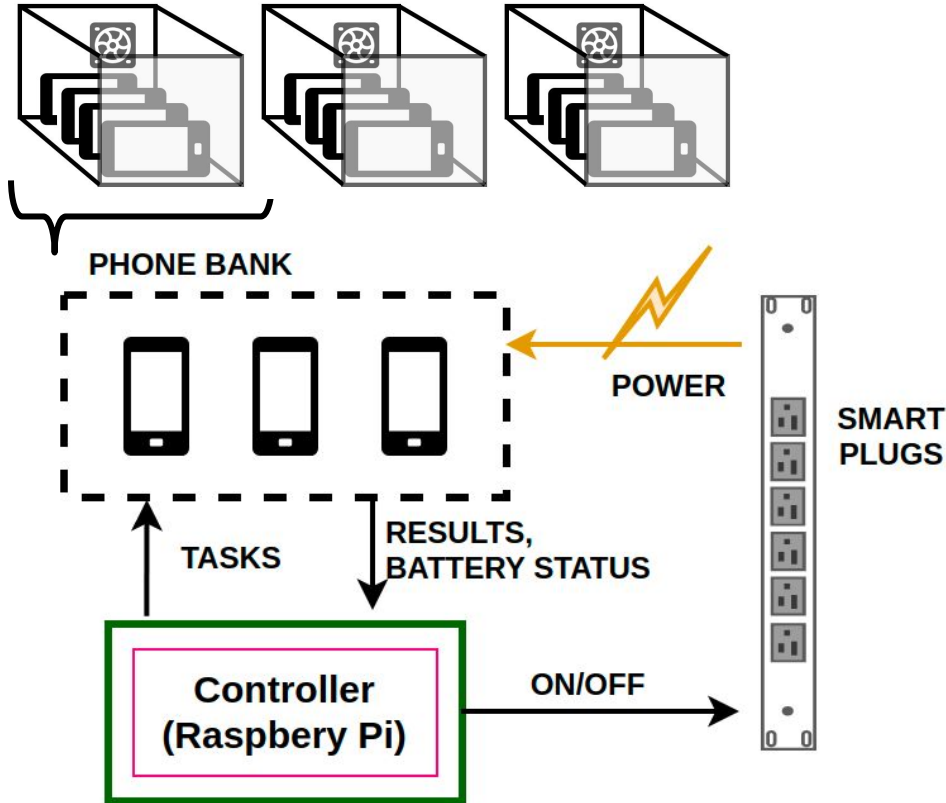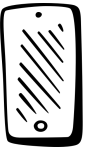# Cell Phone Data Center Project Update

Subhash Ramesh, Ruohan Hu, Jennifer Switzer, Eric Siu, Emanoel Zadorian
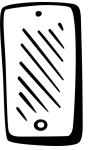
OVERVIEW

APPLICATIONS

$\gg$ Content delivery networks

$\gg$ Cloud gaming

$\gg$ Scientific, volunteer-based computing

QUARTER GOALS

MVP

- ⟩ Prepare smartphones
- ⟩ Send heartbeats
- ⟩ Control device power
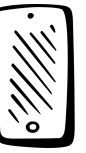- ⟩ Submit jobs
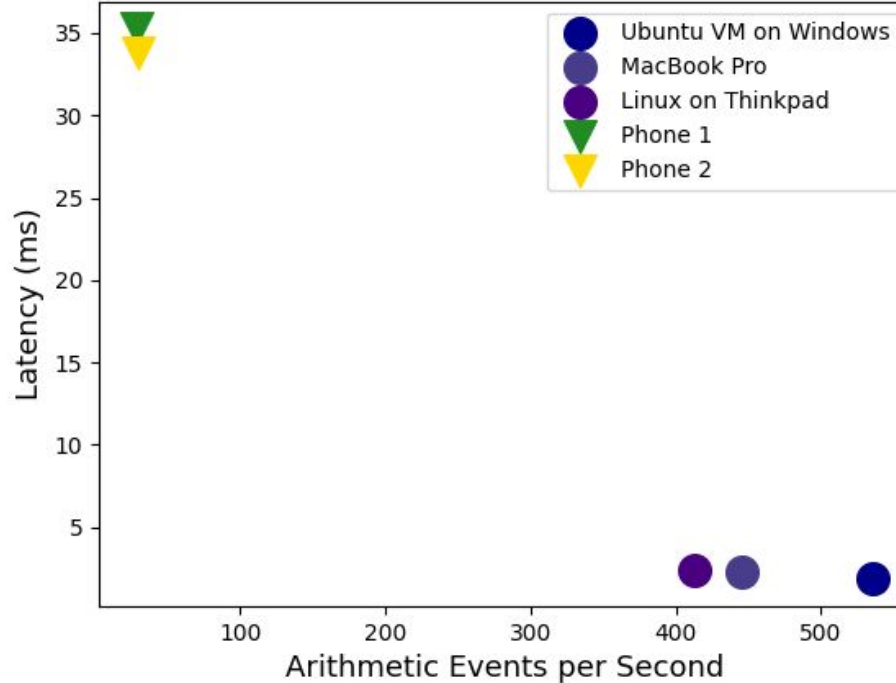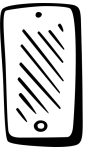- ⟩ Build case
- ⟩ Benchmark
- ⟩ Documentation

COMPLETE PROTOTYPE

DEMO

INITIAL BENCHMARKING RESULTS

*Results from running
sysbench --test=cpu --cpu-max-prime=20000 run

QUARTER GOALS

MVP

✓ Prepare smartphones

✓ Send heartbeats

✓ Control device power

○ Submit jobs

○ Build case

○ Benchmark

○ Documentation

COMPLETE PROTOTYPE ○