AI Enabled CAD Tool

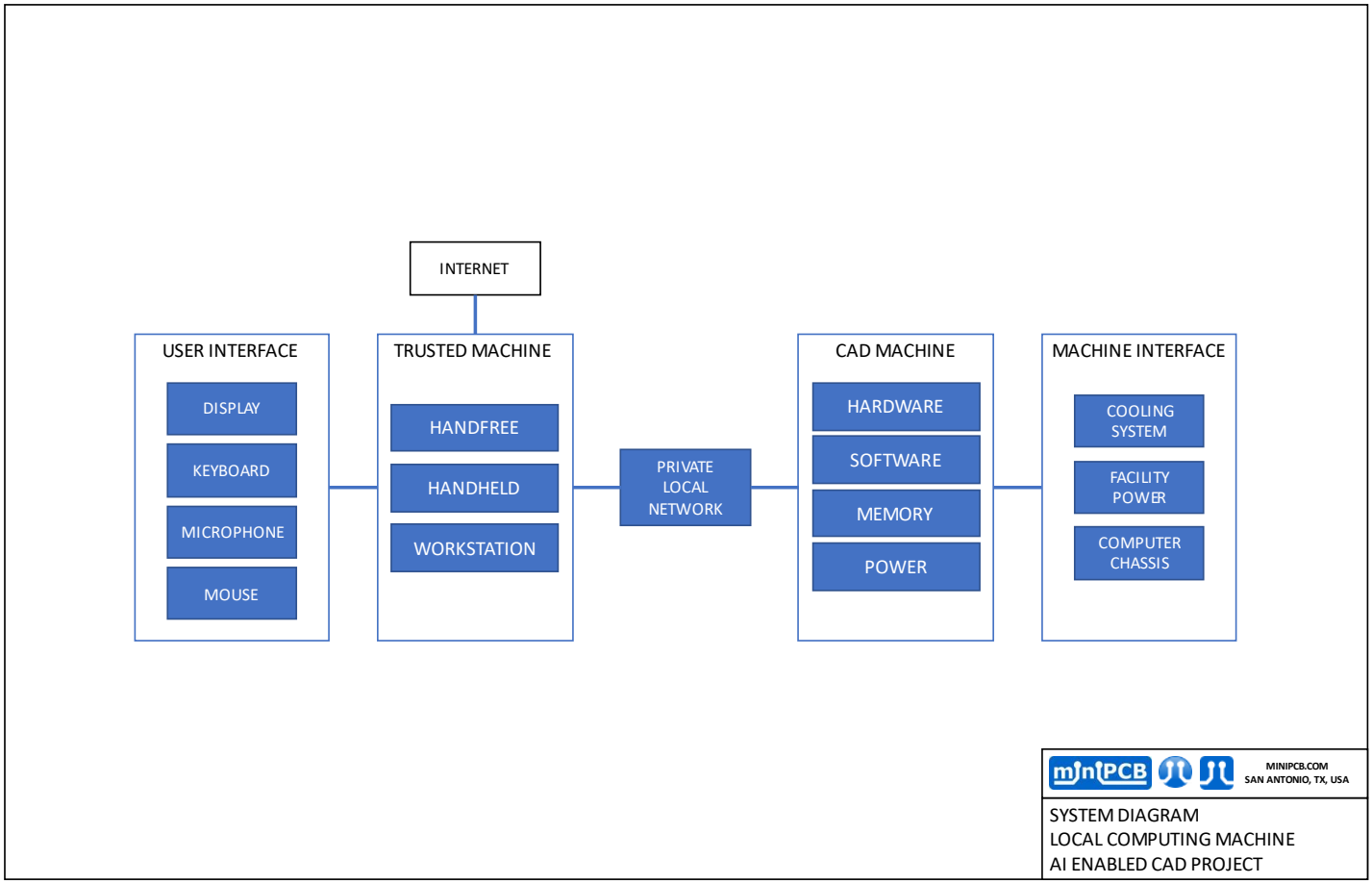
Idea

I am interested in using an AI enabled CAD tool to develop electronic hardware faster and better than currently possible. I wonder if the miniPCB project could be come a dataset for rapidly training small AI-enabled CAD programs.

Process

1. Imagine the future of work.
2. Learn about the system design.
3. Identify an actionable plan.
4. … pause for effect …

System Diagram



General Specifications

COMPUTING
- MODE: DIGITAL | ANALOG
- PERFORMANCE: FLOPS | OPAMPS

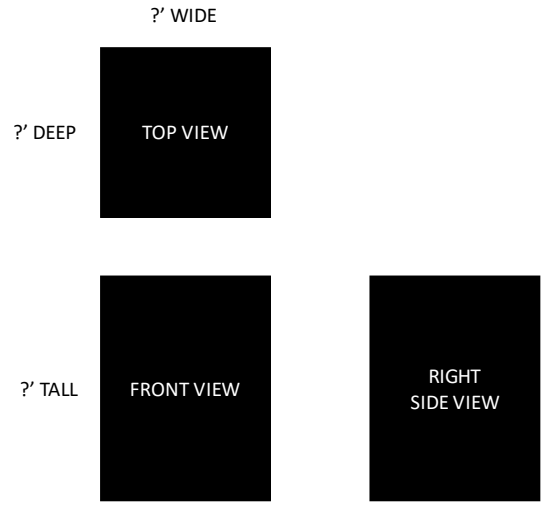
SOFTWARE
- HARDWARE SPECIFIC | AGNOSTIC
- OPEN | CLOSED
- OWNED | LISCENSED

ELECTRICAL
- 120 VAC, 60 Hz, 10 A
- 240 VAC 50/60 Hz, 10 A

MECHANICAL
- ENCLOSURE WITH SHELVES
- LOAD CAPACITY: 300 kg

COOLING
- FORCED AIR
- HEATPIPES
- LIQUID
- REFRIGERANT

TARGET CAD PROGRAMS
- PRINTED CIRCUIT BOARDS
- INTEGRATED CIRCUITS
- WIRE HARNESSES
- ENCLOSURES
- MECHANISMS
- COMPLEX MACHINES



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GENERAL SPECIFICATIONS
LOCAL COMPUTING MACHINE
AI ENABLED CAD PROJECT

Imagine

Imagination Seeds

- What will the AI CAD tool be doing?
- How will I want to be interacting with the AI CAD tool?
- What are the best AI CAD tools currently available?
- What might the future's best AI CAD tools look like?
- What hardware is best for running an AI CAD tool?
- What will future hardware look like for AI CAD tool systems?
- What fears and hopes will be in the mind of the manager considering purchasing an AI CAD tool?

Server

- Select hardware
- Select operating system
- Install computer chassis
- Configure the server
- Implement security

Client

- Desktop PC
- EAGLE

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WORDMARK	FIGUREMARK	FIGUREMARK
miniPCB™		

Revision History

REV	DESCRIPTION	ECO	DATE
A	Initial Release	N/A	05MAR2023
B	Added system diagram and general specifications	N/A	