Samer Romise

510 Brandt Ave, New Cumberland, PA 17070
romisesams@gmail.com • (717) 343-2834
www.linkedin.com/in/samer-romise/ • www.samer-romise.com

EDUCATION

The Pennsylvania State University, College of Engineering • University Park, PA **Aug 2025**
Bachelor of Science in Engineering: Computer Engineering

PROFESSIONAL EXPERIENCE

Penn State Electrical Engineering Lab, *Lab Technician* • Middletown, PA **Jun 2023 - Aug 2023**
- Successfully installed and prepared AXC unit PLCs for classroom purposes
- Completed safety training and practice with many power tools
- Completed a fire safety project in the Penn State Power Lab, which protected power equipment valued at $750,000 from fire sprinkler systems
- Successfully executed PCB projects encompassing prototyping on a breadboard, circuit troubleshooting and optimization, PCB design using KiCad, and procurement for practical deployment

Pierson Computing and Connections, *Warehouse Technician* • Mechanicsburg, PA **Jun 2019 - Aug 2020**
- Received the shipment, unboxed Chromebooks, and implemented various school district software on them using programmable Arduino USBs
- Packaged the Chromebooks and prepared them for shipping to various regions of the United States
- Expedited shipping process by 10% by enhancing the software installation process using faster automation
- Personally handled more than 90,000 Chromebooks

PROJECTS

Stackable 3D Tic-Tac-Toe (S3DTTT) Therapy device , *Team Leader* **Apr 2025**
- Co-led a 5-person team to deliver a Raspberry Pi touchscreen platform with an accessible GUI for rehab use
- Built application and data layer in Python + SQL, enabling user profiles, gameplay/puzzle logging, and in-app CSV export
- Designed case/mount hardware in SolidWorks; machined parts for a durable, serviceable Pi + display assembly
- Implemented puzzle guidance (preview, difficulty, complexity index, timer) and PvP mode for cognitive therapy
- Prototyped a weight-sensor tile for real-time feedback and future full-board sensing

Audio Mixer & Karaoke Device, *Engineer* **Aug 2024**
- Designed a 5-block audio path (mixer/karaoke, tone, volume, LED meter, output) from concept to PCB
- Implemented mix/karaoke with an inverting summing amp; Baxandall EQ for smooth bass/treble control
- Built an op-amp comparator LED level meter; validated thresholds in simulation and on breadboard
- Resolved power-domain issues moving from 15 V test supply to dual 9 V batteries by recalculating resistor networks and retuning gains
- Assembled and soldered the final PCB, delivering a headphone-safe output stage with a reliable, clean signal

SKILLS & INTERESTS

Laboratory: Multimeter • Oscilloscope • Function generator • Soldering • Powertools • Circuit Design
Technical: Java • C++ • Python • HTML • MATLAB • PLC Next • GitHub • KiCad • Solidworks
Interests: Automation • Optimization • Circuitry • Soccer