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RetroDISTORT

www.website.com

TODO.

TODO.











Education

- **Colorado State University**
Bachelor of Computer Science
- **Relevant Coursework:** Software Engineering, Operating Systems
Algorithms and Optimization, Low Level Programming
Fort Collins, CO
Graduating May 2022
- **CETI Colomos**
Technologist
- **Relevant Coursework:** Digital Circuits, Instrumentation, Technical Drawing, High Power Circuits, PLCs, Microcontrollers,
Pneumatics, Hydraulics, Process Controls, Industrial Robotics, Industrial Calibration, Thermodynamic Processes
Guadalajara, Jal
Graduated May 2018

Technical Skills

- **Programming Languages:**
 - Procedural Bash, C, Matlab
 - Object-Oriented Arduino, C++, C#, Java, JavaScript, Python, MicroPython, VB
 - Functional Lisp, Elisp, L^AT_EX
- **Libraries and Frameworks:**
 - Computational Sage
 - Web Based ReactJS, NodeJS
- **Mechatronics:**
 - Microcontrollers Pic, Atmel, Xtensa, ARM
 - PLC Allen Bradley, Sismatic
 - Communication Protocols SPI, CAN, I2C, I2S, BLE, WiFi, RS232
 - Other Skills 3D printing, SMD soldering, Electronics Diagnostics, CNC Routing, Pneumatics, Hydraulics, Automation
- **Software:**
 - Automation and Design FluidSIM, AutoCAD, RSLogix, EasyEDA
 - PLC Allen Bradley, Sismatic
 - Other Photoshop, Linux based OS, Emacs, Windows

Notable Projects

- **Smart Watch**
•  *RetroDISTORT/Smart-Watch*
- Esp32 based Smart-Watch
- PCB Layout, Schematic, Code.
v1.12.2 Released Jan 2021
 www.csuscheduler.com
- **Dawn and Dust**
•  *RetroDISTORT/Dawn-and-Dust*
- Android game made with game maker studio.
- Top-down-view puzzle game with google play achievements.
v1.12.2 Released Jan 2020
 www.csuscheduler.com
- **Boo Bot**
•  *Shizcow/BooBot*
- Raspberry Pi based robot.
- PCB layout, Schematic, code, Twitch interface.
v1.12.2 Released Jan 2020
 www.csuscheduler.com
- **RF Transmitter**
•  *RetroDISTORT/RF-Transmitter*
- Arduino RF433 data transmitter.
- PCB, Schematic, Communication protocol, and Source Code.
v1.12.2 Released Jan 2020
 www.csuscheduler.com
- **Platformer Game**
•  *RetroDISTORT/Platformer-Game*
- Base code for platformer game written with game maker studio
- Basic collision, movement, power-up, and costumaization.
v1.12.2 Released Jan 2020
 www.csuscheduler.com

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 www.csuscheduler.com

- **Neural-Network**

-  *RetroDISTORT/Neural-Network*

- Customizable Deep Feed Forward Neural Network
 - Source code written in rust. Variable input/output length, and number and sized hidden layers.

v1.12.2 Released Jan 2020

 www.RetroDistort.com

- **Personal-Website**

-  *RetroDISTORT/Personal-Website*

- Opensource Website
 - Written using rust.