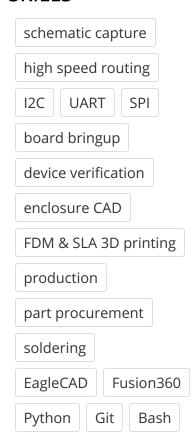
CONTACT

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SKILLS



EDUCATION

University of Rochester

B.S. in Electrical & Computer Engineering

2011 - 2015

EDDIE SAMUELS

EXPERIENCE

Studlabs Consulting

Owner/Engineer

August 2019 - Present

- Outlined system architecture for dash camera based on the RK3399 processor
- Designed and prototyped cryptographic point of sale device
- Fabricated <u>LED paint rollers</u> for museum exhibit
- Schematic capture, PCB routing, and firmware development for proteomics motion controller
- Supported system integration of solar charging station for mobile school platform

comma.ai

Principle Hardware Engineer

January 2018 - July 2019

- Managed a four person hardware team
- Utilized contract manufacturers to scale production to 10k units
- Schematic capture, part procurement, and high speed PCB routing (MIPI CSI, USB 3.0, PCIE) for next-gen product
 - ightarrow based on a Snapdragon 845 SOM after evaluating with Nvidia TX2
- Integrated Linux kernel drivers for I2C, SPI, and UART sensors
- Interfaced with Bash and Python flashing, testing, and setup tools

Hardware Engineer

June 2016 - January 2018

- First hardware hire for the company
- Schematic capture, PCB routing, enclosure CAD, packaging design, and production execution for the <u>panda</u> CAN to USB and WiFi interface
 → based on the ARM STM32F and ESP8266
- Enclosure CAD, analog fan controller design, and production execution for the <u>eon</u> driver development kit → based on Snapdragon 821 smartphones
- Designed and stabilized switched-mode power supplies (SMPS)
- Performed preproduction Device Verification Testing (DVT)
- Developed production phase assembly and testing rigs

Lockheed Martin

Associate Electrical Engineer

June 2015 - June 2016

- Performed PCB bringup, documentation, and system integration for Joint Strike Fighter test equipment
- Developed MATLAB automated test platform to search for spurious RF emission events