

Eddie Samuels

> engineer

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EXPERIENCE

Nance - Governance automation app (<https://nance.app>) ([github](#))

Founder / Engineer (Remote)

March 2023 - Present

- App development to facilitate decision making for Decentralized Autonomous Organizations (DAOs)
- Development of web application, backend, API & blockchain integrations for voting
- Management of three person startup team
- Acquired by Decent Labs, working closely with the team to complete integration

Studlabs Consulting - Full-stack hardware consultancy (<https://studlabs.com>)

Owner / Engineer (New York, NY)

August 2019 - Present

- System architecture, board bringup, software development for boat security system
- Schematic capture, PCB design, firmware, software development for fluidics motion controller
- System architecture, PCB design, management of firmware engineer, enclosure CAD for EV fleet diagnostics

Very - Fully distributed IoT engineering consultancy

Senior Embedded Electrical Engineer (Remote)

August 2020 - December 2022

- Worked closely with clients to develop system architecture & requirements
- Designed low power WiFi, Bluetooth, LTE, & LoRa connected devices
- Developed hardware CI/CD automation tools

comma.ai - Self-driving car startup

Principal Hardware Engineer (San Francisco, CA / San Diego, CA)

June 2016 - July 2019

- First hardware hire, managed four person team
- Enclosure CAD, schematic capture, part procurement, & high speed PCB routing (MIPI CSI, USB 3.0, PCIE)
- Integrated Linux kernel drivers for I2C, SPI, & UART sensors

Lockheed Martin - Rotary and Mission Systems Division

Associate Electrical Engineer (Binghamton, NY)

June 2015 - June 2016

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

EDUCATION

University of Rochester - B.S. in Electrical & Computer Engineering

August 2011 - May 2015

SKILLS

Hardware: block diagramming, schematic capture, high speed routing, I2C, UART, SPI, board bringup, FDM & SLA 3D printing, soldering, KiCAD, EagleCAD, Altium, Fusion360, Onshape, Solidworks, packaging design

Software: Python, Typescript, Express, React, NextJS, SQL, noSQL, Vercel, authentication, web3, Git, Bash, Docker, Linux device tree, Buildroot