

# Eddie Samuels

> *an engineer*

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## EXPERIENCE

**Nance** - Governance Automation app (<https://nance.app>)

Founder / Engineer

**March 2023 - Present**

- Management of three person startup team
- Development of web application, backend, API & blockchain integrations for voting
- Facilitates decision making for Decentralized Autonomous Organizations (DAOs)

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

Owner / Engineer (San Diego, CA / Tampa, FL)

**August 2019 - Present**

- System architecture, board bringup, and software development for boat security system
- Schematic capture, PCB routing, firmware, and software development for motion controller

**Very** - Fully distributed IoT engineering firm

Senior Embedded Electrical Engineer (Remote)

**August 2020 - December 2022**

- Working closely with clients to develop system architecture and requirements
- Routing high speed multi-layer microcontroller and microprocessor circuit boards
- Designing low power WiFi, Bluetooth, LTE, and LoRa connected devices
- Developing hardware CI/CD automation tools

**comma.ai** - Aftermarket self-driving car company

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

**June 2016 - July 2019**

- Managed 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)
- Integrated Linux kernel drivers for I2C, SPI, and UART sensors

Hardware Engineer (San Francisco, CA)

- First hardware hire for the company
- Schematic capture, PCB routing, enclosure CAD, packaging design, and production

**Lockheed Martin** - Rotary and Mission Systems Division

Associate Electrical Engineer (Binghamton, NY)

**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

## 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

**Software:** Python, NodeJS, Express, React, NextJS, MySQL, MongoDB, Vercel, authentication, web3, Git, Bash, Docker, Linux device trees, Buildroot