

# Matthew J. Galvin

Elixir, Erlang | Master of Science – Computer Science Graduate Student

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## INVENTIONS

5,000+ units sold

Nerves powered, security focused device for intelligent control of power in data centers. Comms via SNMP, Modbus TCP, IPMI, ZMQ, I<sup>2</sup>C, GPIO.

## EXPERIENCE

### Erlang Solutions Ltd, Remote

*Senior Software Engineer*

AUGUST 2022 - PRESENT

Elixir, Distributed Erlang, Hot Upgrades, RabbitMQ, Kafka, Microservices Architecture (GoLang, Rust, Elixir), Avro

### Cato Digital, Remote

*Senior Software Engineer*

MARCH 2021 - AUGUST 2022

Elixir, Erlang, Nerves, GRiSP, AWS, Docker, K8s, GraphQL, Protobuf

### RevZilla, Remote

*Software Engineer*

FEBRUARY 2020 - MARCH 2021

Elixir, Phoenix, Ruby, Rails, PostgreSQL, GCP, Docker, MiniTest, ExUnit

### DockYard Inc, Remote

*Software Engineer*

MARCH 2018 - FEBRUARY 2020

Elixir, Phoenix, Ruby, Rails, PostgreSQL, Ember, RSpec, QUnit, ExUnit

### EndPoint Corp, Remote & NYC

*Software Engineer*

MAY 2013 - MARCH 2018

Ruby, Rails, Elixir, PostgreSQL, React, VueJs, Angular, RSpec, Arduino

### Lau Trading Group LLC, NYC

*Electronic Trader*

OCTOBER 2011 - JUNE 2012

Traded/programmed on Orc, Wintech and other trading platforms

### Prime International Trading, NYC

*Floor Trader*

JANUARY 2008 - OCTOBER 2011

Traded gold and silver options/futures, specialized in volatility arbitrage

## SELECTED OPEN SOURCE

### Elixir-Lang

PR1560

Commit SHA 729ba

### Nerves

PR222

Commit SHA 91f5e

### Elixir-SNMP

PR 21

Commit SHA 33579

### FWUP

PR 186

Commit SHA 9e2d9

### Jellyfish

Author

### ST7735 Elixir

Author

### Harvard University's Corpus Builder Ruby Client Gem

Author

### 9front

PR in mailing list, fixes RPi GPIO

## EDUCATION

### Drexel University, Phila, PA.

Master of Computer Science

Expected graduation 2025

Current GPA 4.0

### Temple University, Phila, PA.

Finance & Real Estate, Double

Summa cum laude, GPA 3.9

## SELECTED PRESENTATIONS

Cryptanalysis: Attacks on RSA  
YouTube [here](#)

IoT: SNMP w/ Elixir, Erlang  
Erlang Solutions Blog [here](#)