

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, I²C, GPIO.

EXPERIENCE

HCA Healthcare, Remote

Senior Software Engineer

JUNE 2025 - PRESENT

Elixir, Distributed Erlang, Healthcare, SQL

Erlang Solutions Ltd, Remote

Senior Software Engineer

AUGUST 2022 - JUNE 2025

Elixir, Distributed Erlang, Hot Upgrades, RabbitMQ, Kafka, IoT, Healthcare

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

End Point 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](#)