

## projects

<project in stealth mode>, a functional programming language that compiles to machine code.

tech: Rust, LLVM

Radler, a music composition and audio generation application.

tech: Haskell, Elm, Electron

CtPaint, pixel art software in the browser.

tech: Elm, AWS Lambda

elm-community/list-extra, list helper functions; one of the most used Elm packages.

elm-canvas, html canvas in the Elm programming language.

Solafide Forbes Nash Machine, 48 key analog synthesizer.

tech: Electronics

## talks

Elm Europe 2019

Munich Frontend 2018

Desert Code Camp 2016

QueensJS 2016

29C3 2012

## meet ups

Rust Philadelphia

Elm I> Munich organizer

Elm NYC regular speaker

Coffee & Code host

Phx ReactJS organizer

LM Labs organizer

NodeAZ regular speaker

## awards

Arduino Wearables 2014

Html Game Hackathon 2012

## volunteering

HeatSync Labs

May 2012 - April 2014

501(c)3 non-profit

treasurer

~\$30k in annual revenue

## education

B.S. Economics

Arizona State University

Dec 2013

## career

### Humio, Senior Software Engineer

November 2018 - April 2020

tech: Elm, Scala, GraphQL

Humio provides high performance data querying to large enterprise customers (Bloomberg, Netflix). On a 25 node system, Humio can query 2.2 million events per second and ingest 100 TB of data a day.

- Responsible for key functionality such as complex infinite scrolling and plugin system.

- Exemplified team standard for code review and pull request descriptions.

- Designed and implemented broad architecture of large front end code base.

### Shore GmbH, Senior Software Developer

August 2017 - November 2018

tech: Elm, JavaScript, React, TypeScript

Shore is scheduling and appointment software for small businesses and their customers.

- Created core appointment application that was served to thousands of users.

- Maintained large calendar user interface and skeleton "app shell" architecture.

### Chadtech Co, CEO

October 2013 - present

tech: Hardware, Elm, JavaScript, React, Go, C++

My consulting business entity. My primary service was front end client work for start ups.

- Ran ambitious kickstarter for own software product.

- Wrote high performance audio processing code for immersive video online car reports.

### Local Motors, Lab Manager

February 2015 - Sept 2015

tech: 3D printing, CAD, CNC machining, Electronics, JavaScript, React

Local Motors is an experimental car manufacturer that pioneered crowd sourced engineering and made the world's first 3D printed car.

- Built electronic and computer components for automotive engineering initiatives.

- Taught classes on CNC milling and 3D Printing.

- Ambassador to local community and governance.