

WORK

Zymergen, Software Engineer - Emeryville, CA; 2015-2016

Zymergen uses automation, software, and biology to do high-throughput bio-engineering.

Primary developer of a workflow engine to automate factory operations. Additional work in frontend and devops related tasks as needed.

java, bpmn, Camunda, AWS, angular.js, puppet

Crossfader (DJZ Inc), Cofounder & Developer - San Francisco, CA; 2012-2014

Crossfader is a dji app for your iPhone.

Primary developer of all non-iOS systems, particularly the backend API and websites, djz.com and crossfader.fm. Heavily involved in product design.

angular.js, Rails, AWS, heroku

Lucky Sort Inc., Cofounder & Developer - Portland, OR; 2011-2012

Lucky Sort was a big data, text analytics company acquired by Twitter in 2013.

Primary developer of the data pipeline, devops tools, data preprocessing using nlp tools. Other roles included client management and product.

node.js, python, nltk, R, d3, aws, kafka, redis

Qmedtrix Inc., R&D Engineer - Portland, OR; 2009-2011

Qmedtrix Inc. is a 3rd-party medical billing adjudicator.

Worked on a data analytics pipeline for medical billing operations, such as fraud detection, adjudication, pricing, and automatic report generation.

scala, python, redis, rabbitmq, postgres, R, ggplot2, latex

Reed College, Teacher's Assistant - Portland, OR; 2008

Texas A&M University, MCTP Participant - College Station, TX; Summer 2008

Gulf Coast Research Lab, Summer Intern - Ocean Springs, MS; Summers 2004-2006. (Studied a parasite that lives on the skin of stingrays. NSF grant: No. 0608603)

EDUCATION

Reed College - Portland, OR; 2006-2010

B.A., Mathematics.

Thesis: A Structural Analysis of Hartigan's Modal Method for Block Clustering.

German Language Schools: Friedländer-Schule & Hartnackschule - Berlin, Germany; 2005

Mississippi School for Mathematics and Science - Columbus, MS; 2003-2005

Languages,
Frameworks,
Tools

python, scala, R, javascript, java, spring boot, ruby, rails, nginx, node.js, angular.js, backbone.js, d3.js, redis, rabbitmq, kafka, kinesis, redshift, postgres, mysql, aws, heroku, ggplot2, advanced web audio, and more!