

LUKE COOK

Computer Scientist — Problem Solver — Abstract Thinker

@ invocatis@gmail.com (607) 220-4047 Aurora, Ny in linkedin.com/in/invocatis github.com/invocatis

EXPERIENCE

Software Engineer Coop

Intuit

January 2017 - July 2017 Mountain View, California

- Account signup backend development implementation
- Worked in Agile team with daily standups, weekly meetings, and bi-weekly sprints

Java Oracle SQL Amazon S3 Springboot REST OOP Agile

Point-of-Sale Development

Swiftwater Brewing

Rochester, NY

- Created a Point of Sale solution, setup network model, worked with credit card processors
- Worked as a bartender, using my solution and being around those who used it. Listened to their stories, complaints, and suggestions and incorporated them as new features.

Java Java Swing MySQL PCI/DSS Linux

PROJECTS

Flip

Polyglot Database Solution

- Provides logic for creating, and including data-management modules
- Modules are applied to abstract data points, in a linear pipeline
- Modules provide common features from existinc database solutions [id schemes, field inclusion/exclusion, data types/sizes, inheritance]

Clojure SQL NoSQL Database Solutions Library Development

Motif

Recursive Pattern Matching

github.com/invocatis/motif

- Comprehensive, clean DSL for matching features of recursive, mixed data structures
- Patterns are data: Clojure collections and functions compose into patterns

Clojure Pattern Matching Library Development

LANGUAGES

Clojure(script)

Java

Kotlin

Scala

Javascript

Haskell



TECHNICAL SKILLS

SQL/NoSQL Git Kubernetes Docker Context-Free Grammar Linux HTML/CSS EC2 Declarative Programming DynamoDB S3 Node.js Object-Oriented Design Lambda Functional Programming $L^a t_{ex}$

EDUCATION

Bachelor's of Computer Science

Rochester Institute of Technology

2012-2017 Rochester, Ny

LIFE LESSONS

I grew up on a farm, so I know how to put my head down and shovel a pile of crap

I used to be a math tutor, teaching mostly fractions and word problems, so I'm pretty patient with people

I've had plenty experience breaking my projects, so I know the importance of checking your work

I used to be a Java evangelist, which I'm very much not now, so I like to keep an open mind