

# Rob Koch

Software Engineering

 kochrt@gmail.com

 513-593-5938

 robko.ch

 linkedin.com/in/kochrt

 github.com/kochrt

## EDUCATION

**BS in Computer Science**  
Miami University

**BA in Psychology**  
Miami University

## TECHNOLOGIES

Swift, XCode, iOS

Android, Android Studio

Java, Kotlin

Typescript, Vue, Nuxt

Python, Jupyter Notebooks

AWS, Google Cloud

Stripe

Whatever gets the job done

## LANGUAGES

English (Native)

Chinese (Professional)



### Founder

Swink & qr.new - Seattle, WA

Feb 2021 - Current

Swink is a QR design app with dynamic short links with simple analytics

Web app and API with SSR Nuxt/Vue on Google App Engine

Stripe, Github Actions for CI/CD, Playwright for testing



### Software Engineer, Google Messages

Google - Seattle, WA

Oct 2018 - Feb 2021

Integrated search bar on the home screen, the largest visual change in the product's recent history, which led to a 2x increase in seach users and a 50% increase in search clicks

Designed and implemented the ability for users to select multiple messages, which is used over 2M times/day

Designed and implemented heuristically identifying, and automatically replying to, carrier requests to users for spam phone numbers, which is used 10k times/day across all users

Designed and implemented experiments for increasing the CTR of RCS promotions, leading to a 22% increase in user sign-ups



### Software Engineer

Cladwell - Cincinnati, OH

May 2017 - May 2018

Converted iOS app from a thick to a thin client in conjunction with API rollout

Reduced instances of crashing by an order of magnitude, while simultaneously adding new features

Raised app rating from 3.x to 4.4+



### Cloud Engineering Intern

Cardinal Health - Columbus, OH

2016

Managed, redesigned, and partially automated the internal requisition process for Amazon Web Services (AWS) resources

Automated solutions for logging into VDI, sending customer emails, and Neo4j graph database queries using Python

### English Teacher

Various Universities - Changsha, Shaoxing, and Hangzhou, China

2012-2015

Taught conversational English to University classes in 3 schools over 3 years

Learned Chinese 但是最近越来越懒了



### Research Fellow

Procter & Gamble - Cincinnati, OH

2012

Designed and conducted product research and consumer testing using biometric tools and human factors, including facial expression coding, eye tracking using Tobii, implicit cognition studies, and Facial Action Coding System (FACS)

Led work on developing new technical methods for evaluating product performance based on sensory feedback from consumers (Pantene)

## Open source software



### cascade.page

Github

Create and share cascading timelines



### thelistofcompanies.com

Github

The list of companies that have a 4 day work week



### imnew.to

Github

Get added to a group chat with other newly relocated people in your city