

Rob Koch

Software Engineering

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EDUCATION

- BS in Computer Science**
Miami University
- BA in Psychology**
Miami University

TECHNOLOGIES

- Swift, XCode, iOS
- Java
- Angular2, Typescript
- HTML, CSS, Javascript
- Python, Jupyter Notebooks
- Android, Android Studio
- AWS
- Whatever gets the job done

LANGUAGES

- English (Native)
- Chinese (Professional)

EXPERIENCE

-  **Growth Team Dev Lead** Mar 2018 - Current
Cladwell - [Cincinnati, OH](#)

Leading Growth Team development efforts to exponentially increase customer base

-  **Software Engineer** May 2017 - Mar 2018
Cladwell - [Cincinnati, OH](#)

All-aspect app development - quickly iterated features in response to market demands in a fast-paced startup environment

Reduced instances of crashing by a factor of 10, while continuously adding new features

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

Raised app rating from 3.x to 4.4+

-  **Software Engineer** 2016 - 2017
Cash Flow Solutions - [Oxford, OH](#)

Created a one-line embeddable javascript plugin (for use by clients to accept payments) as an alternative to interacting directly with our API

Migrated company website out of Wordpress to independent HTML/CSS/JS

-  **Cloud Engineer** 2016
Cardinal Health - [Columbus, OH](#)

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

-  **Teaching Assistant** 2015, 2017
Miami University - [Oxford, OH](#)


Led 2 labs for object-oriented programming course with 20+ students in each lab, focusing on object-oriented principles and design, good coding practices, and readability


-  **Research Fellow** 2012
Procter & Gamble - [Cincinnati, OH](#)


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)


PROJECTS

-  **Pîng iOS app** - Location based discovery app built with Swift and a Swift Perfect REST API on AWS.

-  **JobsBox** - Python webscraper for whoishiring.io based on keywords

-  **Patterson Bridge** - Site to help students find other students to work on projects together. Why wait for a startup weekend to find talent and start your business? Written in Angular2 with Google's Firebase as a backend.

-  **Patterson Bridge iOS app** - Full-featured iOS client for Patterson Bridge. Written in Swift 3 for iPad and iPhone.

-  **GaggleInc** - Hybrid mobile app using the Ionic framework and Angular2 in a three-person Agile development environment

-  **Project Dragonfly iOS app** - Swift 3 iOS app to encourage kids to explore their environment and ask scientific questions