

Rob Koch

+1 (513) 593-5938 | kochrt@gmail.com

WORK EXPERIENCE

Current	Software Developer , Cash Flow Solutions	Oxford, OH
	<ul style="list-style-type: none">Migrated company's website from WordPress to an extensible, Jekyll-based static site	
2016	Cloud Engineering Intern , Cardinal Health	Dublin, OH
	<ul style="list-style-type: none">Redesigned and managed the internal engagement process for requesting Amazon Web Services (AWS) resources, streamlining the process by which resources are provisionedCreated a reporting method to analyze high level usage and billing for AWS resources for an accountAutomated solutions for logging into VDI, sending customer emails based on data from an Excel spreadsheet, and entering queries into Neo4j graph database all using Python	
2015	Teaching Assistant , Miami University Computer Science Department	Oxford, OH
	<ul style="list-style-type: none">Proctored a computer lab for object-oriented programming course, focusing on good coding practices, readability, and object-oriented designHeld a weekly help session for Intro to Programming students, emphasizing the fundamental aspects of computer science	
2013 – 2015	English Instructor , Shaoxing University & Wanxiang Polytechnic	Zhejiang, China
	<ul style="list-style-type: none">Taught comprehensive English course to college students while learning Chinese	
2012	Research Fellow , Procter & Gamble	Cincinnati, OH
	<ul style="list-style-type: none">As part of the biometrics group, conducted product research and consumer testing using various 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)	
2009 – 2012	Emergency Dispatcher , Miami University Police Department	Oxford, OH
	<ul style="list-style-type: none">Dispatched officers and maintenance personnel to calls for service and assisted with call intakeCompleted data entry in preparation for transition to new computer aided dispatch (CAD) system	

PROJECTS

Ongoing	PattersonBridge.com
	<ul style="list-style-type: none">Site for students to look for other students to work on interdisciplinary projects togetherWritten using Angular with Google's Firebase as a backend
Ongoing	Patterson Bridge , native iOS app
	<ul style="list-style-type: none">Swift 3 iPad/iPhone client for Patterson BridgePublished on the App Store
Ongoing	Pîng , native iOS app
	<ul style="list-style-type: none">Location-based real-time chat app written in Swift using Google's Firebase as a backendCurrently in beta on Apple's TestFlight Beta program
2016	Project Dragonfly , native iOS app
	<ul style="list-style-type: none">Swift 3 iOS app to encourage kids to explore their environment and ask scientific questions, done in conjunction with Miami University's Project DragonflyCurrently in beta on Apple's TestFlight Beta program
2016	GaggleInc , hybrid iOS/Android app
	<ul style="list-style-type: none">Created a hybrid mobile app using the Ionic framework and AngularJS in a three-person Agile development environment

EDUCATION

2017	BS Computer Science , Miami University, 3.8 GPA	Oxford, OH
	<i>Courses: Discrete Mathematics, Calculus I & II, Object Oriented Programming, Database Systems, Data Structures, Software Engineering, Computer Architecture, Comparative Programming Languages, Data Networking, Software Architecture and Design, Artificial Intelligence, Automata, Operating Systems</i>	
2012	BA Psychology , Miami University, 3.7 GPA	Oxford, OH

SKILLS & PROFICIENCIES

Natural Language:	English (Native), Chinese (Intermediate)
Languages & frameworks:	Java, Swift, Python, HTML, CSS, JavaScript, SQL, Angular
IDEs & Technologies:	IntelliJ Suite, XCode, Eclipse, Android Studio, Git, Firebase