

KEITH PORTER

701 E Kirby St, Apt 55 • Detroit, MI 48202
bobob2009@gmail.com • (313) 410-9044 • keithbporter.com

EXPERIENCE	SMARTAISLE (CONVERSATIONAL RETAIL TECH)	Southfield, MI
2018-Present	Head of Product & Engineering <ul style="list-style-type: none">• Successfully launched and maintained a network of digital in-store shopping assistants for Fortune 500 brands and retailers using Amazon Alexa and Google Assistant, which has been recognized as one of the top 3 new in-store technologies• Directed all product development and engineering initiatives across various disciplines, including hardware, electronics, software, and voice artificial intelligence• Maintained a product development roadmap and managed a team of 7 product managers and engineers who owned and delivered on key parts of that roadmap• Developed extensive automated testing procedures which, in the case of NLU testing, brought failure rates down from 30% to 4%• Institutionalized workflow processes and a team culture of trust and ownership	
2017	IREPORTSOURCE (WORKPLACE INCIDENT SOFTWARE) Frontend Web Developer (Remote Contractor) <ul style="list-style-type: none">• Designed and built most user interactions for a production-grade web app in VueJS• Prioritized feature development; managed tight review cycles with team; identified, pitched, and implemented significant infrastructure projects with long term impact	Cartagena, Colombia
2016	PROJECT BIRDHOUSE (FACIAL RECOGNITION SYSTEM) C.O.O. (First Employee) <ul style="list-style-type: none">• Created a custom, embedded, computer vision system that detects, tracks, and describes the faces of people who pass by, using a deep neural network on a GPU• Implemented a deep neural network on an embedded GPU using OpenCL and Torch in order to quantify the unique characteristics of each face in real time• Branched two different Python implementations of this object oriented facial processing system to use either single threading or multiprocessing• Coordinated hardware engineering, software engineering, industrial design, graphic design, sales, and legal readiness, ensuring the product was customer-ready on time	Cincinnati, OH
2014-2016	KAPTURE AUDIO (AUDIO RECORDING WRISTBAND) Head of Product & Ops (First Employee, Venture for America Fellow) <ul style="list-style-type: none">• Successfully led all aspects of product launch: product requirements, development sprints, quality assurance, FCC & CE certification, international logistics, and fulfillment• Coordinated hardware and software contract development across 7 teams, 20+ people, 3 native languages, 5 timezones, and dozens of skill sets• Developed, tested, and deployed custom embedded system firmware in C that defined the device's user interface and its ability to connect with Android phones• Managed relationships with >2500 customers via email, social media, and video chat	Cincinnati, OH
2011-2013	A2B BIKESHARE (BICYCLE SHARING HARDWARE) Co-Founder <ul style="list-style-type: none">• Patent Inventor US9567025B2: System and method for bicycle sharing and rental• Effectively managed a diverse 10-person team and 6 partner companies to design and produce key hardware and software components, proving the product's potential• Built from an idea to prototype, \$40k in pre-seed funding, and \$30k in booked sales. Since I left, it has grown to \$200k in seed funding and sold to the largest US vendor	Ann Arbor, MI
EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering, 3.7 GPA Master of Science in Industrial and Operations Engineering, April 2014 <ul style="list-style-type: none">• Tauber Institute for Global Operations Fellow• Engineering Global Leadership (EGL) Honors Program Fellow	Ann Arbor, MI
	UNIVERSITY OF MICHIGAN College of Engineering, 3.42 GPA Bachelor of Science in Computer Engineering, December 2013 <ul style="list-style-type: none">• Harry B. Benford Award for Entrepreneurial Leadership	Ann Arbor, MI
ADDITIONAL	<ul style="list-style-type: none">• Frio to Fuego: Completed a 20K mile, 18-month motorcycle trip around the Americas	