

Education

New Haven, CT **Yale University** **Fall 2011 – May 2015**

- B.S. in Computer Science, B.A. in Economics. GPA: 3.77.
- Awarded C.S. Research Prize for senior [thesis](#) on real-time robot perception of human gestures.
- Coursework: Algorithms; System Architecture; Game Theory; Robotics; Databases; Data Analysis.

Employment

Software Engineer 2 **Microsoft Corporation** **Sep. 2015 – Present**

Bing Answers & Widget Experiences

- Owning the Q&A answer, which displays work-related Q&A for companies on Office365. Won the Executive Spotlight Award as one of the presenters at a Bing-wide pitch event. TypeScript, React
- Shipped 9 distinct U.S. election-related [answers](#) over the 1-year election cycle. TypeScript, D3.js
- Promoted to Software Engineer 2 after $1\frac{1}{2}$ years.

Student Developer / Tech **Yale University** **2012 – 2015**

- Wrote integration tests and refactored full-stack Rails app to reduce technical debt. Rails, JS
- Led team of four technicians repairing student computers; moved to developer role in early 2014.

Software Engineer, Intern **Microsoft Corporation** **Summer 2014**

- Delivered WordPress plugins for Bing website widgets. PHP, JS

Program Manager, Intern **Microsoft Corporation** **Summer 2013**

- Managed the design and development of the first Bing Ads API support [page](#).

Technical Experience

Publications **Yale Social Robotics Lab** **2014 – 2015**

- Admoni, **Weng**, et al. "Modeling communicative behaviors for object references in human-robot interaction." *ICRA*. IEEE, 2016. [link](#)
- Admoni, **Weng**, et al. "Robot nonverbal behavior improves task performance in difficult collaborations." *HRI*. IEEE, 2016. [link](#)

Personal Projects

- **Udacity Artificial Intelligence Nanodegree (2017)**. Currently enrolled. Python
- **Autonomous mobile robot (2016)**. Building a low-cost, intelligent agent from [scratch](#). Demoed at Microsoft's Robotics Day. Python, OpenCV, Robot Operating System (ROS), Raspberry Pi
- **Thesis (2015)**. On robot gesture recognition. Python, C#, OpenCV, ROS, Kinect v2, Nao robot
- **Intelligent Robotics Lab project (2014)**. Programmed Baxter to be able to determine the compressibility of various objects. Python, ROS, OpenCV, Baxter robot

Additional Experience

Yale Alley Cats a cappella **Head Tour Manager** **2012 – 2014**

- Managed domestic and international tours for one of the nation's most renowned a cappella groups.
- Coached new tour managers and wrote Google Sheets scripts to boost team productivity. JS

Languages and Technologies

- Python; C++/C; C#.NET; Java; JavaScript (React, Knockout, TypeScript); SQL; R