

Bianca Yang

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Experiences:

Member of Technical Staff (Search Engine Team), Thoughtspot

Aug 2019 - Present

- Building query trace collection platform that will allow developers to analyze user search behavior.

Software Lead, Stealth Fashion Mobile Commerce Startup

June 2019 - Present

Student, ME 110 (Special Laboratory Work in Mechanical Engineering)

March 2019 - June 2019

- Building an autonomous hexapod that can follow human targets around obstacles and over rough terrain like stairs. Using ROS, Solidworks.

Student, ME/CS/EE 134 (Autonomy)

Jan 2019 - March 2019

- Built a 5DOF robotic arm that uses a webcam powered by OpenCV to detect blocks and stack them into a pyramid shape. Developed kinematics from scratch and used ROS framework. See video and writeup [here](#).

Cloud + AI Software Engineering Intern, Microsoft

Jul 2018 - Sept 2018

- Improved scheduling times and monitoring of distributed GPU system for deep learning jobs by introducing blacklisting to prevent jobs from repeatedly attempting to schedule against unusable nodes.
- Improved resource utilization and machine status tracking in web portal using Angular/[ASP.net](#)/Typescript.

Machine Learning Researcher, Caltech CS159 Course

March 2018 - June 2018

- Evaluated various network architectures for multi-task reinforcement learning of variants on inverted cartpole/pendulum with A3C as the baseline algorithm. Read our report [here](#).

Machine Learning Consultant, Virtualitics

Jan 2017 - June 2018

- Developed machine learning suite to improve efficiency of consulting projects.
- Created distributed grid search framework for faster training and evaluation of machine learning models.

eCommerce Marketing Manager, Efficient Living

Jun 2015 - Dec 2017

- Expanded Japanese business through [Fulfillment by Amazon](#) and managed [digital marketing campaign](#).
- Launched online retail business for [whiskey lovers](#).

Education:

Caltech — BS Computer Science

June 2019

Hobbies:

Student Pilot, Caltech/JPL Flying Club Member ([AACIT](#))

Skills:

Programming: Python, C++, Java

Software Packages: Matlab, ROS

Other: 3D printing, water jet, laser cutter, mill