

Eric Vincent

4237 Manuela Ave | Palo Alto, CA 94306 | evincent@gmail.com | egvincent.github.io | (650) 468-0664

Education	Stanford University	Class of 2020	Stanford, CA
	Computer Science major in the Artificial Intelligence track. <i>Selected completed courses:</i>		
	<ul style="list-style-type: none">CS 231N: Convolutional Neural Networks for Visual RecognitionCS 224N: Natural Language Processing with Deep LearningCS 246: Mining Massive Data Sets (big data systems, similarity search, stream data processing, dimensionality reduction, large scale machine learning, and more)		
	Henry M. Gunn High School	Class of 2016	Palo Alto, CA
	<i>Selected completed courses:</i> AP Biology, AP AB Calculus, Programming Concepts (used Scheme), Introduction to Java, AP French, AP Micro/Macroeconomics <i>GPA:</i> 3.79 unweighted, 3.96 weighted <i>SAT:</i> 730 reading, 700 math, 760 writing (2190 total)		
Experience	Institute for Mathematics and Computer Science	2013 - 2014	Online
	AP Computer Science: Java Programming (not allowed for sophomores at Gunn HS) <i>Grade:</i> A+, <i>AP Test Score:</i> 5 out of 5		
	<hr/>		
	<u>Lyft Level 5: Perception Team</u>	SWE Intern	Summer of 2019 Palo Alto, CA
	Level 5 is developing self driving vehicles; Perception uses image, LIDAR, and RADAR data to find objects of interest, for use in prediction and motion planning downstream. <ul style="list-style-type: none">Improved 3D object detection by reducing training vs inference data mismatchDesigned and implemented new sub-network to incorporate image data into 3D object detection network for more effective early sensor fusionUsed: C++, Python, TensorFlow		
	<u>Microsoft Azure Media Services</u>	SWE Intern	Summer of 2018 Redmond, WA
	Media Services provides enterprise video encoding, streaming, analytics, and more. <ul style="list-style-type: none">Improved security token validation (prior to key/license delivery) by adding new options for limited reuse tokens and a DRM-independent active device limitUsed: C# with JWT & SWT tokens		
	<u>DeepMap</u>	SWE Intern	Summer of 2017 Palo Alto, CA
	DeepMap provides high definition 3D mapping as a service for autonomous vehicles. <ul style="list-style-type: none">Built systems for robust ground and car detection in sparse LIDAR point cloudsBuilt systems for object tracking and velocity estimation across multiple point cloudsUsed: C++		
	<u>Savioke</u>	SWE Intern	Summer of 2016 San Jose, CA
	Savioke builds the Relay, an autonomous, user-friendly room service robot for hotels. <ul style="list-style-type: none">Enabled Relay robot to call external APIsConnected Relay to Amazon Alexa and the Amazon IOT ButtonExplored new interactive uses for Relay by extending a visual robot scripting interface.Used: AWS, JavaScript with MeteorJS and ROS, Google Blockly		
	<u>Metanautix</u> (acquired by Microsoft)	SWE Intern	Summer of 2015 Palo Alto, CA
	Enterprise software company focused on big data management, analytics, and visualization. <ul style="list-style-type: none">Worked as a front-end web developer on their multi-database query tool, QuestUsed: AngularJS and Bootstrap		
	<hr/>		

Camio	SWE Intern	Summer of 2014	San Mateo, CA
Smart, cloud-based video monitoring and analytics for the home.			
<ul style="list-style-type: none"> Built a system to automatically graph core company metrics Used: JavaScript and Google BigQuery with SQL 			

Programming Skills

Core: Python, C++, Java, C#

ML frameworks: TensorFlow, PyTorch

Web development: HTML, CSS, JavaScript, Bootstrap, AngularJS, HTTP(S)

Activities	Competitive Gymnastics	2007 - 2016	Stanford Boys Gymnastics, San Mateo Gymnastics
I was a competitive gymnast for nine years. I practiced ~20 hours per week year round. I was team captain from 2015 to 2016. <i>Highlights:</i>			
<ul style="list-style-type: none"> Level 10 (2016) – JO Nationals: 5th place and all around finals. Regionals: 6th place and all-star team. States: 2nd place and all-star team. Level 9 (2011-2013) – JO Nationals all three years, finals on floor and pommel horse Level 6 (2009) – 4th place at States, 1st place at Regionals. 			
	Gunn Robotics Team	2014 - 2016	www.gunnrobotics.com
I was an active member of my school's student-run FIRST robotics team for two years, and a member of the team's control systems group for one year. I machined aluminum and plastic parts on a variety of shop tools; for the controls team, I wrote python code to access several sensors and to control several mechanisms on the robot. I also wrote content for our team's website and business plan and have experience with CAD and basic electrical engineering.			
	Ecole Nationale du Cirque	2010 - 2012	ecolenationaledecirque.ca/en
I was accepted at the prestigious "National Circus School" in Montreal, Canada for three consecutive summers. While at the school I improved my skills in hand balancing, unicycling, and learned the German Wheel, Silks, and other disciplines of circus arts.			
	Graphic Arts, Stanford Open	2011 - 2015	egvincent.com/stanford-open
For 5 consecutive years, I designed the T-shirt and logo for the "Stanford Open," an annual three-day gymnastics competition my gym hosts for over 800 gymnasts and their families.			
Awards	AP Scholar with Distinction	2016	CollegeBoard
	Outstanding Accomplishments in the Visual Arts	2015	Gunn High School
	Academic All American Recognition Award	2015: First Team honors 2014: Second Team honors	USA Gymnastics
	French National Contest	2013 (2C): Lauréat du Chapitre and Certificat d'Honneur	The American Association of Teachers of French
