Eric Vincent

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Education

Stanford University   Class of 2020   Stanford, CA

Selected completed courses:
- CS 106X: Programming Abstractions - Accelerated (advanced C++ foundational course in algorithms and data structures)
- CS 110: Principles of Computer Systems (filesystems, concurrency, networking)
- CS 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

Selected completed courses: AP Biology, AP AB Calculus, Programming Concepts (used Scheme), Introduction to Java, AP French, AP Micro/Macroeconomics
GPA: 3.79 unweighted, 3.96 weighted
SAT: 730 reading, 700 math, 760 writing (2190 total)

Institute for Mathematics and Computer Science   2013 - 2014   Online
AP Computer Science: Java Programming (not allowed for sophomores at Gunn HS)
Grade: A+, *AP Test Score:* 5 out of 5

Experience

Microsoft Azure Media Services   Intern   Summer of 2018   Redmond, WA
Media Services provides enterprise video encoding, streaming, analytics, and more.
- Improved security token validation (prior to key/lisence delivery) by adding new options for limited reuse tokens and a DRM-independent active device limit
- Used C# with JWT & SWT tokens

DeepMap   Intern   Summer of 2017   Palo Alto, CA
DeepMap provides high definition 3D mapping as a service for self-driving cars.
- Robust ground and car detection in sparse LiDAR point clouds
- Object tracking and velocity estimation across multiple point clouds
- Used: C++

Savioke   Intern   Summer of 2016   San Jose, CA
Savioke builds the Relay, an autonomous, user-friendly room service robot for hotels.
- Enabled Relay robot to call external APIs
- Connected Relay to Amazon Alexa and the Amazon IOT Button
- Explored new interactive uses for Relay by using/extending visual robot scripting interface.
- Used: AWS, JavaScript with MeteorJS and ROS, Google Blockly

Metanautix (acquired by Microsoft)   Intern   Summer of 2015   Palo Alto, CA
Enterprise software company focused on big data management, analytics, and visualization.
- Front-end web developer
- Used: AngularJS and Bootstrap

Camio   Intern   Summer of 2014   San Mateo, CA
Smart, cloud-based video monitoring and analytics for the home.
- Automatic graphing of company metrics
- Used: JavaScript and Google BigQuery with SQL

Foothills Summer Camp	Counselor	Summer of 2012	Foothills Park

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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.
Highlights:
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, event finals on floor and pommel horse
Level 6 (2009) – 4th place at State Championships, 1st place at Regional Championships.

Gunn Robotics Team	2014 - 2016	www.gunnrobotics.com

I was a 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 have experience machining on a mill, lathe, drill press, band saw, and many other shop tools. In the controls group, I wrote python code to access several sensors and to control several mechanisms on the robot. I was an active member, and contributed upwards of 10 hours per week in addition to attending the competitions, helping our team win the FRC Team Spirit Award last year. In addition to coding and machining, I have written 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.

Programming Skills

Core: proficient in C++ and experienced with Java and C#; wrote clean and efficient C++ code in three separate Stanford courses and a summer software engineering internship
Web development: HTML, CSS, JavaScript, Bootstrap, AngularJS, MeteorJS, HTTP(S)
Scripting: Python, Bash
Comfortable with Git (and in conjunction with GitHub or Gerrit)

Awards	**AP Scholar with Distinction**	2016	CollegeBoard
	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
	Outstanding Accomplishments in the Visual Arts	2015	Gunn High School

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