

KATHERINE SIMON

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References: Available upon request

Objective **To obtain an instructional position that utilizes my architecture, engineering, and design background to educate and inform varying audiences.**

experience

- | | | |
|--------------|---|------------------------|
| 2016-Present | CTE Online
Engineering Project and Lesson Writer
<ul style="list-style-type: none">○ Developing a series of lessons on engineering concepts for publication on their website for teachers to utilize nationally.○ Developing a project that allows students to experience the engineering design process, computer aided drafting, and technical sketching | LOS ANGELES, CA |
| 2014-Present | LAUSD-STEM Academy High School
CTE Engineering/Design and Computer Operations Instructor | LOS ANGELES, CA |
| 2015-Present | CTE Department Head
Work as a full-time teacher in a high-need school setting. Utilized My Art Background to Teach Skills Related to Engineering Design, Drawing, 3D Printing, CNC Machines, Virtual Reality, Architectural Concepts, Art History, and Digital Media
<ul style="list-style-type: none">○ Taught Three Years of CTE Computer Operations, Photoshop, Windows Movie Maker, Keyboarding, and MS Office Software○ Taught Three Years of CTE Engineering Design Classes that Satisfy the CA Arts Grad Credit○ Civil Engineering and Architecture PLTW Certified○ Chair of Community Outreach Committee-Planned Bi-Annual Advisory Board Meetings with Community Partners and Planned Annual Career Fair (Brought in 20 Industry Professionals as Guest Speakers)○ Implemented Various Multi-disciplinary and Community Projects○ Implemented Lessons for Industry Recognized Digital Citizenship Certification○ Planned and Implemented 10 Course Related Field Trips○ Developed School Partnerships with Gensler Architecture Firm, the Hollywood Central Park Design Team, and University of Southern California Engineering Department○ Trained Students in Sketchup, AutoCAD Revit, 3D Printing Design, Makerbot Software, Easel Software○ Train and Use Technical Equipment-3D Printer Machine (Makerbot), Carvey CNC Machine, Plotter, 3D Scanner, Oculus Virtual Reality System <p>Honors: Presented with Service Award from the City of Los Angeles by Councilman Mitch O'Farrell for my efforts in bringing youth out of poverty through technical education, Teacher of the Month</p> <p>PR Community Articles: Los Angeles Times, Friends of the Hollywood Central Park, Entertainment Software Association, University of Southern California Department of Civil Engineering, Edsource.com, LAUSD, Linked Learning</p> | |
| 2013-Present | ENCORPS
Fellow
<ul style="list-style-type: none">○ Work at schools throughout Los Angeles to educate students about careers in STEM | LOS ANGELES, CA |
| 2013 | AMAZON.COM CORPORATE
Associate Buyer and Vendor Manager
Managed a vendor's retail business in the consumer electronics department on the Amazon.com platform. Developed a strong understanding of online retailing through marketing, merchandising, inventory management, search optimization, and business forecasting.
<ul style="list-style-type: none">○ Launched New Products○ Created an Intensive Holiday Business Plan for an Audio Vendor and Negotiated Various Funded Deals with Over 30 Vendors, which Resulted in the 3rd Highest Sales for the Electronic Accessories Group○ Created Creative Marketing Advertisements○ Communicated with Vendors Daily to Summarize Business and Strategize for the Future | SEATTLE, WA |

	<ul style="list-style-type: none"> ○ Sought Out Promotional Opportunities with Kindle and Executed Kindle Bundle Promotions ○ Managed Inventory and Tracked Shipments ○ Forecasted Sales Based on Category Seasonality and Past Data ○ Developed Pricing Strategies to Drive Sales and Used Social Media to Drive Traffic <p><i>Honors:</i> November 2012 Sales Award-highest negotiated deals for electronics accessories group</p>	
2008-2013	<p>URS CORPORATION</p> <p>Civil Engineer</p> <p>Advanced within the company by becoming an ENG Level 2. Developed a thorough understanding of City, County, and Caltrans standards of design. Assisted managers on business proposals and attended client meetings. The health and safety representative for the Transportation Department.</p> <ul style="list-style-type: none"> • Ramp Metering Design, Traffic Signal Design and Performed Project Cost Estimates • Designs have been implemented and were successful in improving traffic control <p>Programs: Microstation V8, AutoCAD, MS Office</p> <p>PROFESSIONAL ORGANIZATIONS: Engineers Without Borders, 2012; ITE, 2012; OCTEC, 2011</p> <p>VASITE 2009-2010 Member and Conference Organizer – VA</p>	<p>SANTA ANA, CA and VIRGINIA BEACH</p> <p>SANTA ANA, CA</p>
2008-2011	<p>Graduate Civil Engineer</p> <p>Transitioned from an intern into a full time ENG Level 1 and continued to develop an understanding of transportation infrastructure design and analysis.</p> <ul style="list-style-type: none"> ○ Traffic Signal Design and Safety Analysis-Using VDOT's design standards ○ LEEDs Specification & Roadway Lighting Design-Lead contact for MARSOC, Camp Lejeune, NC-USGBC approved the specifications and the design was awarded a LEED certified silver rating ○ Water Quality Modeling-Assisted in identifying bacteria sources, Nawney Creek, VA ○ Created Technical Reports, Graphics, and Presentation Formats-Assisted in presenting to clients ○ Completed Cost Estimates and Product Specifications-Based on our efficient designing, lower construction estimates were provided for the client <p>Programs: Microstation, AutoCAD, GIS, Synchro Analysis, AGI 32 Lighting Software, MS Office</p>	<p>VIRGINIA BEACH, VA</p>
2006-2011	<p>HDSD Inc.</p> <p>Marketing Manager</p> <p>Assisted in managing three franchise stores and used both social and traditional media outlets to create more brand awareness through promotional events, which resulted in improved daily sales by 10% on event days.</p> <ul style="list-style-type: none"> ○ Place Stock Orders, Organize Production Amounts, and Maintain Payroll Records 	<p>CHESAPEAKE, VA</p>
community		
2013-Present	<p>ENGINEERS WITHOUT BORDERS-LA Chapter</p> <p>Community Outreach Coordinator</p> <ul style="list-style-type: none"> ○ Assisted in Fundraising Events for Water Projects in Tanzania and Guatemala. ○ Developing Educational Resources for the Water Project's Sustainability After Implementation 	<p>LOS ANGELES, CA</p>
2012-2013	<p>ISUROON PROJECT</p> <p>Medical Illustrator</p> <ul style="list-style-type: none"> ○ Produced Illustrations for Marketing Material Concerning Health Issues in the Somali community 	<p>MINNEAPOLIS, MN</p>
2011-2012	<p>ENGINEERS WITHOUT BORDERS-OC Chapter</p> <p>Health and Safety/Website Development- Laikipia Water Project-Mathira, Kenya</p> <ul style="list-style-type: none"> ○ Assisted in Website Development for Kenya Water Project ○ Managed First Aid and Lab Material Needed for Field Travel Team 	<p>IRVINE, CA</p>
education		
2015-2016	<p>UNIVERSITY OF SAN DIEGO</p> <p>Career Technical Education Credential</p>	<p>LOS ANGELES, CA</p>
2003-2008	<p>OLD DOMINION UNIVERSITY</p> <p>Bachelor of Science in Civil Engineering</p> <p>Bachelor of Science in Business Administration, Minor in Studio Art/Design.</p> <p><u>ORGANIZATIONS:</u> Academic Honors Association, 2003-2005; Founder and President, South Asian Cultural Association, 2005-2008</p> <p><u>RECOGNITION:</u> Recipient of the Governor's Technology Scholarship & Academic Honors Scholarship; Winner of Best New Organization and Cultural Program(<i>President, South Asian Cultural Association</i>), 2006 & 2007; Accomplished and Published Artist</p>	<p>NORFOLK, VA</p>
personal	Enjoy engineering/architecture, drawing/painting, traveling, and volunteering	