Niraj Ganesh

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Academics
University of California, Berkeley *Graduation: 2020*
Bachelor of Science in Industrial Engineering and Operations Research

Skills
Database/ Cloud-Based Applications: Oracle NetSuite, PLEX ERP, SQL, MS Access, Relational Algebra
Programming Languages: Python, Matlab, Arduino
Design Software: AutoCAD, SolidWorks, Adobe Illustrator
Computer: MS Office Suite (Excel, PowerPoint, Word)

Highlighted Experiences
Research Intern at the UC Berkeley/ UC San Francisco Ergonomics Program *May 2018 - Present*
- Leading a 20-person validation study on the accuracy of the program's new activity tracking device and other commercially available devices using MVTA (Motion Video Task Analysis)
- Leading a 60-person intervention study on the change in blood pressure of officer workers as result of wearing the lab's new activity tracker
- Developed a robot arm apparatus to conduct quality control tests on 100 activity trackers

Business Analyst at the Pack and Ship Store, West Covina *May, Winter 2018*
- Consolidated inventory of the store through comparison of inventory database to shop floor inventory
- Computed year to year analysis of sale figures to understand sales trends within certain departments
- Resolved customer complaints, processed incoming and outgoing shipping packages, and managed the cash register

PLEX ERP and NetSuite Intern at DKM Inc. *December 2018 – Present*
- PLEX Accredited Implementation Specialist
- Developed skills in the Order to Cash and Procure to Pay processes
- Completed accounting reconciliation for medical device company by comparing NetSuite data with the Business Object report from the 3rd party logistics company

Website Developer at the Northern California Center *June 2018 - Present*
for Occupational and Environmental Health (COEH)
- Updated current website platform, addressed usability gaps on current website platform, and initiated transfer of websites to new platforms
- Supported the migration registration database to a new site, designed new site for ease of accessibility
- Redesigned, tested, and implemented the organization and its affiliates' websites using Wix

Leadership
President, Engineering Student Council *May 2018 – Present*
- Maintained and updated organization's site by updating site page HTML code and verifying affiliated club information
- Created page mockups and gathered user input to redesign organization's website
- Developing policies on diversity/inclusivity with Engineering Student Services and the Engineering Dean's Office

Business and Operations Lead, Pioneers in Engineering *September 2016 – Present*
- Led and organized the 2017 kickoff event of the robotics season for low income, underrepresented minority high school students with more than 200 people in attendance from 21 high schools
- Developed grants reports, designed promotional materials, and volunteered at events

Event Manager, California Technology Student Association *March 2017 - June 2018*
- Organized events for the state conference with more than 150 people from 18 high schools in attendance
- Compiled resources, proctored exams, updated web applications such as Weebly and Trello, and scheduled judges for more than 20 events
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Relevant Coursework
IEOR 115: Industrial and Commercial Data Systems
- Supported the development of a database for SF Bay Railroads
- Developed queries and forms through MS Access to maximize client's profits and optimize scheduling of employees and shipments

IEOR 165: Engineering Statistics, Quality Control, and Forecasting
- Developed an algorithm to parse through a retail store's data that utilized support vector machines and minimized cross validation errors