

Ahmed K. Alansi

67 Oceanside Dr.
Daly City, CA 94015

Zahmedalansi@gmail.com
(650) 676-5877

Summary

BS in Mechanical Engineering. Worked on numerous personal and school-related projects involving design, fabrication, simulation, and programming. Would like to gain professional design experience by contributing to a team effort while learning from the contributions of others.

Education

University of California, Santa Barbara: September 2013- June 2017

Major: BS in Mechanical Engineering

Cumulative GPA: 3.70

Deans Honor: Winter 2014-Spring 2017

Work Experience

UCSB CLAS: September 2015-August 2016

Position: Physics/Math/Engineering Tutor

Description: Created lesson plans and organized group lectures twice a week to supplement students' lecture. Helped students overcome their academic obstacles with detailed explanation. Held office hours for one-on-one help.

Technical Skills

Programs: SOLIDWORKS, HSMWorks, MATLAB, Python, LabVIEW, Catalyst

Machinery: CNC, mills, bandsaws, lathes, laser cutters, 3D printing, power tools

Projects and Accomplishments

- Worked with a team of five mechanical engineers to design and implement a solar umbrella-charging station on UCSB campus. Responsible for structural integrity and design, as well as sizing the photovoltaic system and ensuring electrical safety.
- Created a program with Python to automate the expense-reconciliation process for UCSB CLAS company. Decreased expended work-time by over 95%.
- Wrote succinct code in MATLAB to determine material properties from stress-strain data. Simulated heat transfer in a variety of applications, including computer chips and heat fins.
- Created numerous parts from stock using CNC machines and traditional machines.