

ISAAC VANDOR

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EDUCATION

Franklin W. Olin College of Engineering

Robotics Engineering Student, Class of 2019, 4.00 GPA

Relevant Coursework: Modeling and Simulation of the Physical World, Mechanical Prototyping, Quantitative Engineering Analysis, Design Nature

Architecture, Construction, & Engineering Charter High School

Class Valedictorian

Haas Automation, Inc. Scholarship Recipient

National Merit Scholarship Commended Student

PROJECT EXPERIENCE

Olin College of Engineering Robotic Sailing Team, *Team Leader and Member of Electrical Subteam*

Aug.2015 - Current

Developing of a fully autonomous sailboat capable of a transatlantic crossing

Responsible for wiring/powering complex mechanical system that must also be waterproof

Olin College of Engineering Remote Sensing and Sampling Group, *Project Coordinator*

Sep.2015 - Current

Developing of a new method of fish tagging and databasing for the U.S. Department of Fisheries

Creating of a centralized database for tracking and analyzing global fish populations

Olin College of Engineering Intelligent Vehicles Lab, *Researcher*

Sep.2015 - Current

Designing and fabricating autonomous drones and all-terrain autonomous vehicles for participation in a life-like battleground scenario as part of a DARPA-led initiative

FIRST Robotics, *President and Founder, Team 4711*

Oct.2013 - Spring.2015

Managed a team of 25 roboticists through a 6-week design, fabrication, and competition challenge

Led team responsible for programming robot during an autonomous period and a teleoperated period

FIRST Robotics Ventura Regional, *Member, Organizing Committee*

Fall.2014 - Spring.2015

Coordinated team operations, outside vendors, and media for a 3-day robotics regional attended by 2,000+ people and viewed by over 5,000

WORK EXPERIENCE

DP Technology Corp., *Software Quality Assurance Associate*, Camarillo, CA

Dec.2013 - Aug.2015

Managed quality assurance and debugging process for CAD/CAM software

University of Haifa Maritime Civilizations Department, *Field Expedition Volunteer*, Tel Dor, Israel

Jun.2014 - Aug.2014

Uncovered, analyzed, and contextualized archaeological findings from Bronze Age harbor

Interfaith Inventions, Inc., *Advisor/Counselor*, Los Angeles, CA

Summer.2008 - Current

Designed a leadership training program for teens of all faiths and socio-economic backgrounds

Discovery Center for Science & Technology, *Demonstrator*, Los Angeles, CA

Fall.2009 - Winter.2012

Demonstrated science experiments and led STEM outreach in local area schools

Malibu Community Labor Exchange Thanksgiving Dinner, *Lead Organizer*, Malibu, CA

Nov.2001 - Current

Organized a Thanksgiving dinner and clothing/toiletries drive for 400+ people in need

SKILLS

CAD/CAM

Solidworks

Onshape

Esprit

Sketchup

Solidworks PDM

OpenSCAD

PROTOTYPING

3D Printing

Machine Shop Proficient

Woodshop Proficient

Mill

Lathe

Wire Cutter

Drill Press

Vinyl Cutter

CPR/AED/First Aid Certified

SOFTWARE

Matlab

Adobe Creative Cloud Suite

Mathematica

Office Suite

LaTeX

PROGRAMMING

Python

HTML/CSS

Github

Java