STARTUP INCUBATOR MENTOR

Posting ID: EM185053FB

Company Website: http://www.adelsoncampus.org/

Company: The Dr. Miriam & Sheldon G. Adelson Educational Campus

Work Location: Las Vegas, NV

Position Type: Part-Time

Salary: DOE

College Major(s): Mechanical Engineering (ME), Electrical/Computer Engineering (EE/CpE)

College Level(s): Undergraduate-Freshman, Undergraduate-Sophomore, Undergraduate-Junior, Undergraduate-Senior, Graduate Student

OVERVIEW

We are an academically invigorating Preschool-through-Grade-12 independent private school based on Jewish values and identity. Thriving on two closely connected schools located on one state-of-the-art campus, we carefully nurture the youngest preschoolers and guide them, step-by-step, to become intelligent, compassionate, proactive young adults.

Roles and Responsibilities

You will work in a state-of-the-art, 5000sf Startup Incubator located at the Adelson Educational Campus in Summerlin. The Incubator is a bright, modern facility stocked with 3D printers, a laser cutter, Mac pros, fab equipment, and enthusiastic students and mentors. Our environment is collaborative and team-oriented -- we teach and learn from each other on a daily basis.

Your role will be to mentor a small team of Juniors and Seniors to build and operate two projects. The students have introductory-level experience in 3D design and printing, coding, and very basic robotics. Your job is to cultivate their interests and help them develop skills in engineering design, robotics, and project management.

During Fall 2018, you will help your team construct a tread-based, Arduino-controlled, sensor-outfitted simulated planetary rover to be remotely operated over the Internet. You will also coordinate and collaborate with a similar (English-speaking) team in Israel which is conducting a parallel project.

During Spring 2019, you will begin building and coding an inMoov humanoid robot (an open-source robot which is entirely constructible through 3D printing and off-the-shelf components). These are not competition projects (i.e., not FLL/VEX).
Education and Qualifications

Our Startup Incubator team seeks an upper division undergraduate or graduate engineering student to serve as a mentor for our small robotics program. Basic skills in writing control code for the robots is a plus. We care more about you having great mechanical engineering and electronics skills and fabulous people/teaching skills than good grades. Your ability to provide a productive and positive experience will spark interest in robotics and attract additional students to the projects!

The class runs from 11:15 to 12:45. We are on an AB schedule, which means that some weeks, class is MWF and others it is TTh. You may work every other week to match your schedule.

This is a paid position, with compensation negotiable. Our school is a 100% drug-free campus (this includes marijuana), with frequent, random drug-tests. To be considered for the position, you must be able to pass a criminal background check and a drug test.

How to Apply

Please send your resume to Leon Wilde, Director of Technology, Adelson Educational Campus leon.wilde@adelsoncampus.org and Camille McCue PhD, Director of Curriculum Innovations, Adelson Educational Campus camille.mccue@adelsoncampus.org.

Feel free to contact us with any questions. For more information on our facility, please see Startup Incubator site: http://startupincubator.site/index.html

Marian Mason | Internship & Career Services Coordinator | coecareer@unlv.edu | https://unlv.edu/engineering/jobs
UNLV, Howard R. Hughes College of Engineering