

# LIDIA DYNES MARTINEZ

## DESIGN ENGINEER

lidiadynes@gmail.com | dynesdesigns.com | +44 7825 068877 | London , United Kingdom

## PROFILE

I am a third year design engineering student looking for a six month placement for this coming year. I have a special interest in sustainable design, circular thinking. And something about and human factors.

I have 10+ months of experience working in an industrial company.

## LANGUAGES

### ENGLISH

Mother Language

### SPANISH

Second Language

### MANDARIN

AS Level competence

## REFERENCES

### ADRIAN CURR

Senior Design Engineer

adrian.curr@renishaw.com  
+44 1453 524926

### DR. SHAYAN SHARIFI

Teaching Fellow

s.sharifi@imperial.ac.uk  
+44 2075 949237

## EDUCATION

### MEng DESIGN ENGINEERING @ IMPERIAL COLLEGE LONDON

October 2015 - Present

- First and second year average: 75% (First class)
- Part of the university's Dean's List which recognises students whose performance is above 70% and is within the top 10% of the year.
- Modules include: industrial design, audio experience design, mechanics, electronics, maths, materials and production
- Project topics include: medical design, sustainable system design, futuristic concept ideation, finite element analysis, big data, human factors

### MEng MECHANICAL ENGINEERING @ IMPERIAL COLLEGE LONDON

October 2014 - June 2015

- Modules include: fluid dynamics, stress analysis, thermodynamics, experimental reporting skills
- Project topics include: spool winding machine design, mini hovercraft racing competition

### CHELTENHAM LADIES' COLLEGE

October 2007 - June 2014

- A Levels | Maths, Further Maths, Chemistry, Physics (A\*AAA)
- AS Level | Mandarin (B), 12 vGCSEs grade A\*
- Music Scholar award | Grade 8 Distinction in Piano, Voice and Saxophone

## ENGINEERING EXPERIENCE

### SUMMER INTERNSHIP @ RENISHAW

June 2017 - August 2017 (2 Months)

- Developed tools to accelerate the production and assembly of current products by building an SQL database lookup using excel macros.
- Provided support implementing strategic access to data for assembly workers by creating company reports online using Visual Studio Reporting Services.
- Assisted in improving product quality by reducing the chance of human error during the assembly process, this was done by updating work instructions and assembly tool interfaces to clarify procedures and ensure correct completion of tasks before being allowed to move on.

### SUMMER INTERNSHIP @ RENISHAW

June 2016 - August 2016 (2 Months)

- Designed the outer body of a large co-ordinate measuring machine which is presently being sold to giants in the automotive industry.
- Facilitated the construction of a future product offering prototype and manufactured bespoke parts for the machine as well as conceptualising ways of improving the current prototype for future exploration.

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### SKILLS

Solidworks



InDesign



Laser Cutting



Public Speaking



3D Printing



Adobe Muse



Finite Element Analysis



Python



Matlab



Photoshop



CES Edupak



Stress Analysis



Teamcenter



Illustrator



### SUMMER INTERNSHIP @ RENISHAW

June 2013 - August 2015 (Three placements lasting 2 months each)

- Produced engineering drawings for parts used in a robotic cell
- Tested magnet strength on the neuromate stereotactic robot to ensure the safety of patients during the course of brain surgery. The rigs for the test were developed on Siemens NX software and then produced from SLS in the rapid manufacturing department.
- Examined and enforced the completion of engineering drawings and ROSHH compliance. This involved chairing meetings with senior members of staff and contacting engineers throughout the company.

### PAST EXPERIENCE AND VOLUNTEERING

#### WORK EXPERIENCE @ MESSIER-BUGATTI-DOWTY

Worked for a week in the Test Department and saw how the company conducted tests such as strength and fatigue testing on aircraft landing gear. Also learned how to solder and attach strain gauges onto the aircraft itself.

#### WORK EXPERIENCE @ FUTURE ADVANCED MANUFACTURE LTD

Gained experience of the workings of a small engineering company that manufactured medical devices for use in hip operations.

#### APP INTERFACE DESIGN FOR HYDROTECHNIK UK LIMITED

Redesigned the interface for an app that provides a holistic overview of the condition of oil used in mechanical rigs. By modernising visuals and clarifying the data format, clients will be able to more easily monitor the oil's condition and reduce time training new technicians, saving the company money. The final app is currently under construction and will start to be sold at the beginning of next year (2018).

#### BABYSITTING

Looked after two children for over 2 months during my Sixth Form studies.

#### MARKETING PREFECT

I collaborated on a project to re-brand my secondary school's public image. This included collecting feedback from the public in order to re-design the logo, website and uniform.

### INTERESTS



#### Music

I always listen to music and especially like to sing.



#### Travelling

I enjoy visiting new places and exploring different cultures



#### Drawing

I've always enjoyed still-life and producing art.