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Alexander Devlin MEng (Hons) AIMechE

Personal Profile:

I am a driven and enthusiastic high achiever that is passionate about technology, innovation, and sustainability. My experience as a mechanical engineer has equipped me with an arsenal of analytical and problem-solving skills to help solve many challenging technical & strategic questions throughout my career.

I believe my key value-add attributes are **(1)** my keen eye for detail, **(2)** strong technical competence, **(3)** drive to complete complex tasks and take ownership of deliverables, **(4)** ability to work as team-player & project leader and **(5)** people management skills.

D.O.B: 08 / 05 / 1995 | Age: 28 | Jersey Status: 'Entitled for work'

Employment:

08/22 – Present   **Digital Technology Analyst at 'Jersey Electricity**

08/21 – 08/22   **Consultant[6], Technology Strategy – Ricardo Strategic Consulting**

- **Team leader** during large multi-stakeholder strategic projects for key clients in marine, automotive & industrial sectors, with recent recognition for published work at COP26:

  o Study presented on 'R&D requirements for a decarbonisation of shipping: https://ricardo.com/news-and-media/news-and-press/ricardo-and-ics-report-states-r-d-investments-needed-to-reach-zero-carbon-emissions-in-shipping

- Author of LCA modelling tool

- Delivered clean-sheet Total Cost of Ownership (TCO) modelling tool, developed for clients to identify key sensitivity factors in the price-parity point for alternative technologies and fuel, including Hydrogen, Ammonia and Methanol

- Orchestrator of '**future technology assessments**' for multiple major global automotive OEMs (and tier-1's) and international shipping organisations

01/21 - 08/21   **Senior Business Analyst[4,5], Technology Strategy – Ricardo Strategic Consulting**

- Attained experience in **proposal development**, developed relationships with new customers and actively involved in **pursuing new business development opportunities**

- Assumed a **mentorship role**, helping new colleagues deliver strategic development programs for clients

09/19 - 01/21   **Business Analyst[1,2,3], Technology Strategy – Ricardo Strategic Consulting**

- Involvement in major business **investment & divestment studies**, identifying growth opportunities or potential threats for clients

- Supporting delivery of large **strategic development programs** for internationally renowned firms in; automotive, marine and technology sectors

07/18 - 09/19   **Development Engineer, Simulation & Analysis – Ricardo Automotive & Industrial**

- Attained an acute awareness of the importance of **project delivery**; on-time, within budget and meeting or exceeding expectations – going above and beyond to ensure this happens

  o Acknowledged in published work: https://doi.org/10.1007/978-3-658-25889-4_9

Note: When observing numbers [1, 2, 3, 4, 5, 6] please refer to 'Testimonies' 1, 2, 3, 4, 5 or 6 in supplementary document.

Education

2013 – 2018 MEng (Hons) in Mechanical Engineering - **First Class Honours degree**

(University of Surrey, 5-year course, including 1-year industrial placement)

2006 -2013 The Weald School & Sixth Form

A Levels ('13) **Maths (A*), Physics (A), Design Technology (A)**

AS Level ('12) **Economics (A)**

GCSE's ('11) 11 incl. **Maths (A), Physics (A*)** and **English (A*)**

Roles and Contributions:

- Utilising recognised **business strategy tools & development frameworks** to conduct comprehensive evaluations of businesses strategic plans

- Formed **Functional / Physical Matrices** for early stages of product development – a Systems Engineering approach

- Applying economics concepts to understand micro-economic trends and conduct initial '**Scenario Conceptions**'

- Interim product development reports produced for group projects, including; Product Design Specifications (**PDS**), **PDR** (Review) and Critical Design Reviews (**CDR**)

- Project Manager (PM) roles undertaken, working with Microsoft Project (**MSP**) to ensure the team was clear on their tasks and able to deliver on time and within budget

- Several **Team Leader** / **Project Manager** roles assumed throughout my academic career, most recently PM for the large scale 'Guildford Station Redevelopment' [multi-disciplinary] project, which was awarded best conceptual design by supervisors

Software Expert user of **Microsoft Office suite**. Extensive use of other software including **PowerBI**, **Uniplot** and **Simulink**. Competent in **Python** and **MATLAB**.

Achievements

Mentoring: Member of the 'Student Ambassador' committee at University prescribed to help new students settle in, facilitate campus tours along with other responsibilities.

Teamwork: An active member of project teams in academia and my professional career. Sporting enthusiast – latest achievement is reaching Arundel cup final with my local football team.

Leadership: Opted-in to the Junior Sports leadership Award (JSLA) whilst at school in 2011. Aimed at helping to support local schools with developing sports and team-based activities.

Awards and Membership of Influences

IMechE: Associate member of the Institute of Mechanical Engineers. Signed up for the **'Renewable Energies' course** orchestrated by the Royal Academy of Engineers (RAE) at Loughborough University (September 2014).

Sixth Form: Won the **'Technical Excellence' award** in college, July 2013. Awarded for hard-work and resilience despite facing challenges along the way.

Scholarships: Awarded **two paid scholarships** in academia at undergraduate and graduate level – resulting in a publication with my final year supervisor (2013/2018).

Interests

Sport: I have been a member of several clubs over the years including football, cricket and golf. Currently a member of the Ricardo gym and Golf Society.

Social: I aim to ensure a good work-life balance with friendship groups at home, from work and University – still regularly meeting with close friends from university with a recent trip to Mexico.

Teaching: Tutoring GCSE and A level students in my spare-time, having been employed by my school in 2012.

References Available upon request.