Jacob C Delahoussaye

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## Business Management Graduate, with Mechanical Engineering Expertise

Technically astute, diligent and results driven graduate possessing a vast and diverse wealth of expertise accumulated over a combination of professional experience and academic achievement (BS Marketing / Management, MS Mechanical Engineering). Currently seeking an opportunity in which to further develop and apply a combination of the aforementioned dual-capacity skill-set, with a conscientious focus on innovation and creative solutions. Confident in the ability to deliver significant and measurable value to any organization.

### Areas of Expertise

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| --- | --- | --- |
| * Stakeholder Negotiation * Training & Coaching * Production & Processing | * Design & Mathematics * Requirements Gathering * Problem Solving | * Process Development * Quality Supervision * Technical Documentation |

### Key Skills Assessment

Team Player – Integrates seamlessly into any team whilst comfortable working autonomously.

Technical Liaison – Explains complicated concepts to all levels of ability, in 'layman's terms'.

### Education & Training

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| --- | --- |
| **Bachelors of Science, Marketing & Management**  University of Houston | GPA: 3.5 / 4.0 | 2016 | **Mechanical Engineering Studies**  University of Houston | 2014 |

**Associates of Science, Mathematics**

Alvin Community College | 2012

### Professional Experience

UNIVERSITY OF HOUSTON – CLEAR LAKE, Houston, TX August 2015 - Present

Math Tutor

* Enhance student's learning efficiency by teaching organizational management skills.
* Applied a comprehensive awareness of academic standards for mathematical & applied sciences.

*Key Achievements:*

* *Improved student mathematical proficiency by 10% (making the difference between letter grades).*
* *Successfully increased student success rate to 100% (from 87%).*

FMC TECHNOLOGIES, Houston, TX May 2014 – September 2014

Controls & Data Management Engineer (Intern)

* Interpreted and completed the specifications as defined in blueprints, designs, and wiring diagrams.
* Constructed a wide range of electronic units, applying knowledge of both theory and components.
* Ensured operational viability through testing and problem solving / root cause analysis.

### Certificates & Training

Adult CPR / AED / First Aid Certification

### Memberships & Volunteering

**2012 – Present: University of Houston Triangle Fraternity**

Active Volunteer / Member, Community Service Chair, House Manager, Recruitment Chair, Interfraternity Council Chair, Professional Development & Risk Management Chair

**2014 - Present: United Way of Greater Houston**

Active Volunteer (Yearly)

**2012 - Present: Metropolitan Volunteer Program**

Active Member / Volunteer

**2009 – Present: Houston Habitat For Humanity**

Volunteer Builder

**2012 – 2015: National Society for Black Engineers**

Active Member / Volunteer

**2012 -2015: Program for Mastery in Engineering Studies**

Active Member / Volunteer

**2012 – 2014: American Society for Mechanical Engineers**

Active Member / Volunteer, Outreach Assistant Chair (Monthly)

### Technical Expertise

|  |  |  |
| --- | --- | --- |
| * Wolfram Research Mathematica * 3D solid modeling software * The MathWorks MATLAB | * Emulators * Autodesk AutoCAD * SAP software | * Microsoft ACESS * NX 6 * Solid Works |

### Education & Training

January 2014 – December 2014: University of Houston | Part Time Student Engineer

2011 – 2013: Alvin Community College | Student Activities Student Assistant