

Thom J. Eng

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PROFESSIONAL EXPERIENCE

A.T. Kearney - Management Consultant

Operations Practice

Aerospace Engine Cost Management

- Oversaw the cost management for a pre-production engine designed for upper-stage space operation.
- Built a design for cost and manufacturing framework and cost model to forecast overall program manufacturing costs at sub-system and component levels.

USA

Jun. 2019 - Jul. 2019

Supply Chain Rapid Assessment

- Evaluated the manufacturing and supply chain strategy of a global holding company subsidiary from new product development to product distribution.

USA & Canada

Dec. 2018 - Feb. 2019

Consumer Products Design to Value

- Led two consumer product business lines through product re-design and value engineering initiatives to identify \$7mn of product cost improvement potential (on \$100mn of addressable spend).
- Developed a comprehensive should-cost model for savings identification based on component feature analysis (manufacturing & assembly processes, materials and design efficiency), consumer and competitor analysis.

USA & Canada

Jul. 2017 - Dec. 2017

Private Equity and Mergers & Acquisitions Practice

Pharmaceuticals Manufacturing Acquisition

- Structured the integration strategy for the largest pharmaceuticals acquisition in Indonesia.
- Drove five operations functions to identify \$5mn in cost synergies across 12 initiatives and developed the implementation plan for savings realization.

Indonesia

Feb. 2019 - May. 2019

Global Electrifications Merger

- Managed the integration and synergy initiatives of 17 workstreams spanning operations, general & administrative functions, and sales & marketing across two multi-billion dollar companies.
- Co-developed the project management and reporting tool (still in use today) to track 400+ projects and realize \$500mn in revenue synergies and \$300mn in cost synergies.

Europe & USA

Nov. 2017 - Feb. 2019

Startup Consulting Hub

Musical Artist Merchandising Online Retailer – Distribution streamlining and product marketing

New York City Incubator – Corporate engagement service offering evaluation and rationalization

Digital Technology Mfg. – Go-to-market strategy and product value assessment; developed 6mo., 1yr., and 5yr. roadmap

New York Catering Company (Board of Advisors) – Go-to-market strategy and funding pitch development

Product Developer & Engineer

Horizons School of Technology & Freelance Product Development

- Collaborated with engineers, computer scientists and designers to build web applications ranging from project management tools to phone call artificial intelligence systems.
- Consulted entrepreneurs on product designs; products ranged from muscle therapy devices to phone case drones.

Philadelphia, USA

2015 - 2017

NASA Revolutionary Aerospace Systems Concepts Academics Linkage – Manufacturing Lead

- Selected by NASA as one of six teams to design a portable, light-weight, autonomous ice-excavation robot for Mars exploration and colonization.
- Led a team of five engineers to manufacture a 4-foot ice drill that succeeded in excavating ice under NASA testing conditions without a time constraint.

USA

2016 - 2017

EDUCATION

University of Pennsylvania

B.S.E Mechanical Engineering

Minors: Mathematics, Engineering Entrepreneurship

Activities: Big Brothers Big Sisters | Alumni Interview Program | Teacher's Assistant & Tutor

Graduated May 2017

Cum Laude

Honors: Dean's List 2016

SKILLS & INTERESTS

Financial Analysis Merger Integration | Valuation Assessment | Financial Modeling | Cost Modeling

Software Microsoft Office Suite | MATLAB | Solidworks | Illustrator (novice) | After Effects (novice)

Languages English (fluent) | Cantonese (native) | Mandarin (conversational) | html | CSS | Javascript

Manufacturing & Design Additive & Subtractive Mfg. | Mfg. Processes | Product Design | Drawing & Sketching

Activities & Interests Running | Golf | Tennis | Skiing | Fencing | Hiking | F.R.I.E.N.D.S | Marvel Universe