

THOMAS ENG

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EXPERIENCE

Management Consultant – *A.T. Kearney, New York* Operations

2017 – Present

AEROSPACE ENGINE COST MANAGEMENT – USA

JUN. 2019 – JUL. 2019

- 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.

SUPPLY CHAIN RAPID ASSESSMENT – USA & CANADA

DEC. 2018 – FEB. 2019

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

CONSUMER PRODUCTS DESIGN TO VALUE – USA & CANADA

JUL. 2017 – DEC. 2017

- 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.

Merger Integration

SE ASIAN PHARMACEUTICALS MANUFACTURING ACQUISITION – INDONESIA

FEB. 2019 – MAY. 2019

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

GLOBAL ELECTRIFICATIONS MERGER – EUROPE & USA

NOV. 2017 – FEB. 2019

- Managed the integration and synergy initiatives of 17 workstreams across two multi-billion-dollar companies.
- Co-developed the project management and reporting tool to track 400+ projects across 17 workstreams and realize \$500mn in revenue synergies and \$300mn in cost synergies.

Startup Consulting

NEW YORK CITY INCUBATOR – Portfolio rationalization for service offerings to corporations

MUSICAL ARTIST MERCHANDISING ONLINE RETAILER – Operations streamlining

DIGITAL TECHNOLOGY MANUFACTURER – Go-to-market strategy and product value assessment

NEW YORK CATERING COMPANY (BOARD OF ADVISORS) – Go-to-market strategy and funding pitch development

Product Developer & Engineer

2015 – 2017

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 tools to phone case drones.

NASA Revolutionary Aerospace Systems Concepts Academics Linkage

MANUFACTURING LEAD

- 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.

EDUCATION

B.S.E. Mechanical Engineering – *University of Pennsylvania*

May 2017

Minors: Mathematics, Engineering Entrepreneurship

Cum Laude

Affiliations: Big Brothers Big Sisters | Alumni Interview Program | Alpha Chi Rho

SKILLS AND INTERESTS

MANUFACTURING Manual and CNC Machining | 3D Printing | Molding & Casting | Design for Manufacturing & Cost
SOFTWARE Microsoft Office Suite | MATLAB | Adobe Studios | Solidworks | Rhinoceros
LANGUAGES English (fluent) | Cantonese (native) | Mandarin (conversational) | html | CSS | Javascript
INTERESTS Running | Golf | Tennis | Skiing | Fencing | Hiking
DESIGN Product Design | Architecture | Drawing & Sketching
SHOWS & MOVIES Game of Thrones | Marvel Universe | Friends