What I Wish I Knew Earlier as an “I______” Engineer

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FASTPASS®
FASTPASS®
Return Anytime Between
10:25 AM
AND
11:25 AM
WED MAR 07 2012
Not able to accomodate late arrivals.
Another FASTPASS® ticket will be available after 10:25am
What Does The “I” Stand For?

~IMPROVEMENT~
IEs help organizations add value by eliminating waste, maximizing quality and productivity, and using resources effectively.

~INTEGRATION~
IEs bring people, processes, and technologies together to solve complex problems in all types of organizations.

~INFORMATION~
IEs use computer-based tools to collect data, organize and analyze information, and present solutions for decision-making.

~INNOVATION~
IEs use a holistic approach, combining engineering expertise with a business perspective, to solve modern, often large-scale, problems.
INITIATIVE
The Dog Poop Initiative

A true story of scoopers and poopers,
Of pointers and heroes.
Of those who score real goals,
And those who score zeroes.

Story by Kirk Weisler
Illustrations by Bill Sturgis
1996 - 1998
INTERNSHIPS
777 Automated Tools, Mfg IE (WRC)

1998 - 2002
Manufacturing IE
777 Spars, Wing Majors, Flightline

2002 - 2005
Industry Analyst
Competitive Assessment - Phantom Works

2005 - 2007
Project Engineer
Lean Systems Integration Management

2007 - 2008
Mfg IE
787 Final Assembly

2008 - 2010
Procurement Finance Analyst
Supplier Management

2010 - 2012
Employee Involvement Facilitator
Everett Delivery Center

2012 - 2014
Business Operations Analyst
Product Development, 777X

2014 - present
Business Operations Leader
WaDC&EF

Chief Instructor - Intern Class Series
Cal Poly Executive Focal Team
Volleyball coach (high school, club)
So what?
General Help Wanted

AGENCY

JANITOR
With tools.
For 19 ur.

General Help Wanted

COPPLE
Mature.
Apartment supplied.

General Help Wanted

SALES MANAGER

working.com
Things To Do
Plan A

Plan B
KEYWORDS FOR ISEs

**DIRECT SUPPORT to PRODUCTION**
- Production Scheduling
- Defect Analysis
- Benchmarking
- Crew Empowerment
- Budgets & Forecasts
- Theory of Constraints

**OPERATIONS IMPROVEMENT**
- Operating Plans
- Recovery /Capacity Planning
- Ergonomics & Human Factors
- Operations Excellence

**PROCESS IMPROVEMENT**
- Root Cause Analysis
- Time Studies / Work Sampling
- Statistical Methods
- Lean Manufacturing / Six Sigma
- Process Modeling / Optimization
- Engineering Economic Analysis

**INTEGRATED SYSTEMS**
- Facilities Layout
- Value Stream Analysis
- Production System Design
- Manufacturing Process Design
- Systems Thinking
- Simulation

**PROJECT MANAGEMENT**
- Project Scheduling
- Risk Management

**SUPPLY CHAIN ANALYSIS**
- Material Logistics
- Inventory Control
- Supplier Support
- Make / Buy Analysis
- Demand Planning
Career Center @ ENgineering
Walk-in hours: Mon – Thurs, 12:00 – 4:00pm
engr.uw.edu/careercenter | engrhire@uw.edu
ENGR 321

• ONE or TWO credits (based on working-hours-per-week)
• $180-per-credit fee
• Two credits maintains full-time student status
• CC@E processes CPT (for int’l students)
• Must complete four reflective assignments
• Apply through CC@E

WHAT THE CC@E DOES

• Cover letters & resumes
• Mock interviews
• Strengths assessment
• Industry knowledge
• Job search & career fair prep (including strategies for international students)
• Networking & social media
• Offer evaluation & salary negotiation

CAREER FAIRS

10/10  Engineering Hiring Expo
10/31  Science & Engineering Career Fair

Review the company list ... dress professionally ... practice your elevator pitch & handshake ... have your resume ready ... see the CC@E!

ABOUT US

• Mon – Fri from 8:00 – 4:30pm
  o Walk-in hours: Mon – Thu, 12 – 4pm
  o “Career Lab:” Fridays, 10am – 12pm
  o Appointment availability via

engrhire@uw.edu  |  014 Loew Hall
http://engr.uw.edu/careercenter
Enjoy the ride!

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