



Sloan Career Cornerstone Center

Profiles of Materials Science and Engineering Professionals



Theodore Reinhart

Senior Engineer
Boeing Commercial Airline Group
Bellevue, WA

Education:

1977 - BS Metallurgical Engineering, Colorado School of Mines
1980 - MS Metallurgical Engineering, Colorado School of Mines

Job Description:

Research & Development

Advice to Students:

"Study hard, get some practical summer work experience, join and support a relevant technical society."

Video Transcript 1:

"Engineering is a social job. It involves communicating with other people. It involves writing so you do need to learn to write. You do need to learn to speak to people. Occasionally, you're going to be asked to stand up in a meeting room full of folks and tell them what you think. It's your opportunity to make sure that your point of view comes across . . . Engineering, by and large, is people working together to make something happen."

Video Transcript 2:

"I would recommend all the students that they get involved in the technical society. Not just go to the meetings but meet the people, both the students and the working folks and get to know them. If by chance you make a connection for a job, well that's terrific. That 's not the primary reason for their existence but it is a natural opportunity."

Interview:

- Typical Day

7:00 AM - Drive to work, arrive at 7:30 AM
8:00 AM - Phone calls, e-mail, coffee.
9:00 AM - Meet with 737 Wing Group Engineers
10:00 AM - Work on Laminate Materials reports.
11:00 AM - Teleconference- Boeing, NASA, Douglas . . .

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12:00 PM - Lunch, phone, tech journals, walk
1:00 PM - Visit lab/shop, review test results
2:00 PM - Work on Titanium Laminates report.
3:00 PM - Work on Titanium Laminates report.
4:00 PM - Wrap-up, next day planning.
5:00 PM - Drive home.
6:00 PM - Dinner, time with family.
Evening - Soccer (kids), Home repairs, etc.

- Career Experience

1990-Present: Boeing Commercial, Senior Engineer
1986-1990: Boeing Aerospace Company, Senior Engineer
1980-1986: Boeing Aerospace Company, Senior Engineer
1989-1980: The Electron Corporation, Engineer

- Internships & Coops

1977: Argonne National Lab, Summer Intern
1974, 1975, 1976: The Duriron Company, Senior Technician

- Honors & Awards

Tau Beta Pi (Ohio State), Speaker at various technical conferences (the "Aeromat" Aerospace Materials & Processes Conference Series)

- Best Preparation

The combination of education and summer work experience (in a technical capacity).

- Getting First Job

Networking through a technical society.

- Advice

Study hard, get some practical summer work experience, join and support a relevant technical society.

- Memberships

ASM International

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