

May 99 - Sep 99 **Package Design Assistant** Microelectronics Group, Nortel Networks
• performed feasibility study & designed tuning structures for LMDS SATCOM modules (30GHz)
• wrote HFSS macros and support tools to facilitate iterative structure modeling

May 98 - Mar 99 **Product Engineering Assistant** Microwave Modules, Nortel Networks
• production prime for SAW filters & OC192 filter module, including lab and administration work
• performed engineering changes, large-scale data and failure analysis, wrote custom software

May 97 - Sep 97 **Research Contractor** Advanced Technology Labs, Northern Telecom
• studied ESD susceptibility of HBTs: analyzed geometries, circuit topologies, ESD protection
• designed and implemented wafer-level inking system to mark failed die on production wafers

OTHER EXPERIENCE

Oct 06 - Apr 07 **Owner and Captain** Sailing Vessel "Wanderlust"
• sailed more than 5000 nautical miles round trip from San Francisco to Zihuatanejo, Mexico
• responsible for refit, re-commission, and command of a 37-ft 10-ton sailing vessel with 2-4 crew

May 00 - Sep 02 **Sessional Lecturer** Department of Electronics, Carleton University
• supervised 34 students in 4th-year engineering project: designing & constructing mobile robots
• developed curriculum and course materials; coordinated public demonstrations; raised >\$10,000

Jul 98 - Apr 99 **Nortel Campus Ambassador** Carleton University and Nortel Networks
• selected as Nortel Campus Ambassador for Carleton University: represented Nortel on campus

May 96 - May 98 **EngSoc BOG/System Admin** The EngSoc Project, Carleton University
• political and technical officer of a student-managed Linux server for engineering students

May 96 - May 98 **Technical Director** Student Engineering Society, Carleton University
• elected Technical Director for the 1500-member Carleton Student Engineering Society

EDUCATION

1999 - 2002 **Master of Applied Science**, Electrical Engineering OCIECE (Ottawa)
Thesis: *Mitigating the effects of cavity resonance in ceramic millimetre-wave packages* GPA: 11.5/12

1995 - 1999 **Bachelor of Engineering**, Electrical Carleton University (Ottawa)
Fourth Year Focus: Microwave and RF IC design fourth-year GPA: 11.2/12

INTERESTS

Sailing, motorcycling, being outdoors, running, good wine, dark beer, my beautiful wife.

REFERENCES

Available upon request.