Robert M. Laurie

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241 Condo Lane Unit 414
Tamuning, GU 96913

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Academic Employment Experience:

University of Guam

Computer Science / Math Department; UOG Station
Mangilao, GU 96923

Instructor, August 2003 through Present

Taught courses with the following titles:

- Programming I
- Programming II

University of Maryland - Overseas Division

3501 University Boulevard, Adelphi, Maryland 20783

Associate Professor, Iwakuni and Sasebo Japan, August 2001 through June 2003
Lecturer, Guam Micronesia, January 1998 through June 1999

Letters of Recommendation

Taught courses with the following course content:

- C++ Programming (Visual C++)
- Introduction to Programming and Algorithm Design
- Dynamic HTML (JavaScript and Cascaded Style Sheets)
- Web Site Design (HTML and Web Graphics)
- Database Management (Access Relational Database Design and SQL)
- Computer Hardware & Concepts (How Computers Work)
- Telecommunications & Computer Networking (Ethernet & TCP/IP)
- Management Information Systems
- Introduction to Computer Based System (Using MS Office)

Michigan Technological University

Electrical & Computer Engineering Department,
Houghton, Michigan 49931

Instructor, January 2000 through 2001
Instructor, 1988 to 1990
Graduate Teaching Assistant, 1983 to 1986

Letters of Recommendation

Taught courses and laboratories with the following course titles:

- Introduction to Computer Engineering
- Digital and Analog Electronics
- Computer Networking

- ◆ Circuits and Instrumentation
- ◆ Linear Control Systems
- ◆ Introduction to Web Site Design
- ◆ Intermediate Web Site Design
  (Korea University of Technology & Education (HRDI), Korea)
- ◆ ESL Program - Web Site Design
  (Kyung Pook National University, Korea)

Engineering Employment Experience:

Magic Edge Incorporated / LSSI

1245 Space Park Way, Mountain View, California 94043

Software Engineer, 1994 through 1997

Virtual reality company that produces flight simulation equipment

- ◆ Design and write specifications for both software and hardware
- ◆ Control software programming using C and Visual Basic
- ◆ Control design using PC I/O cards for motion and safety systems
- ◆ CAD wiring schematic layout
- ◆ Project management and vendor procurement

John Deere Incorporated

18600 S. John Deere Road, Dubuque, Iowa 52001

Electrical Engineer, 1991 through 1993

Construction equipment division, experimental test center

- ◆ Durability test design for construction equipment components
- ◆ Servo loop control design
- ◆ Programmable logic controller programming
- ◆ GUI design using Allen Bradley Control View MMI
- ◆ Lab View PC Software used for data acquisition and control
- ◆ Courses Taken: ISO 9000 TQM Training, SLC500 PLC Programming
- ◆ Course Taught: PLC Programming for United Auto Workers Technicians

AT&T Bell Laboratories

1600 Osgood Street, North Andover, Massachusetts 01825

Member of Technical Staff, 1986 through 1988

Digital transmission system division

- ◆ Digital circuit design at systems and board level
- ◆ Manufacturing test automation of in-circuit test area
- ◆ Designed In-Circuit test fixture system (Patent applied for)
- ◆ Courses Taken: Total Quality Management, Robotics, UNIX, C

Rosemount Incorporated

Minneapolis, Minnesota

Manufacturing Test Engineer, 1980 through 1982

Aerospace division, both military and civilian products

- ◆ Manufacturing test automation for avionics sensor products

◆ Flow tunnel automation project

Licensed Professional Engineer:

Michigan License No. 34024   (Since 1988)

Authored Professional Publications:

Fundamentals of Digital Systems

McGraw-Hill Custom Publishing, New York, NY, June 2000
ISBN: 0-07-245681-7

Sequential Control Synthesis Using State Tables

IEEE IECON'87, Cambridge, Massachusetts, November 1987

State Machine Architecture Optimized For Control

IEEE IECON'87, Cambridge, Massachusetts, November 1987

Slim Line Test Fixtures For In-Circuit Testing

AT&T - Test Conference, Princeton, NJ, October 1987

Education:

M.S. Electrical Engineering

GPA=3.83 (A=4.0), Thesis, Diploma, Transcript
Michigan Technological University, Houghton, Michigan 49931

B.S. Mechanical Engineering

GPA=3.30 (A=4.0), Diploma, Transcript
Michigan Technological University, Houghton, Michigan 49931

Non-degree Courses Taken:

Michigan Technological University, Houghton, Michigan 49931

Database Management

Foundations of Education

Computers in Education

Measurement and Evaluation in Education & Psychology

Drawing and Painting Classes

Spanish Intensive Language Course

Bio-Itza Eco-Cultural Escuela, San José, Petén, Guatemala, Certificate, 1999

Macrobiotic Cooking Teachers Course

Vega Institute, Oroville, California, 1997

Yoga Teachers Training Course

White Lotus Foundation, Santa Barbara, California, Certificate, 1991

German Intensive Language Course

Grundstuffe II (2 Months), Certificate, Goethe Institute, Munich, German