

James M. Lalime

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<http://www.nfmath.com>

OBJECTIVE

A High school teaching position.

EDUCATION

Present
1/2007 **M.S.** Education,
University of Bridgeport.

Courses to-date: New Technologies for Learning, Philosophical Foundations of Education, Psychological Foundations of Education, Methods and Materials in Teaching Mathematics, Advanced Numerical Analysis, Education of the Exceptional Student, Analysis for Teachers, Analysis II, Mathematical Modeling, Statutory Requirements in Education, U.S History for Teachers, Field Experience,

5/2003 **B.S.** Major General Studies Psychology/Sociology
University of Bridgeport

5/1986 **A.S.** Engineering
Community College of Rhode Island

9/1979 United States Marine Corps
Advanced Avionics, Airborne Radar & Fire Control Systems, Visual Target Acquisition Systems, Flight Line and Aircraft Maintenance Procedures

PROFESSIONAL CERTIFICATIONS

2005 Rebuild America/Energy Smart Schools High Performance Schools Workshop

1996 The Science of Project Management

1992 Concurrent Engineering and Emerging Manufacturing Approaches

EXPERIENCE

Present
8/2006 **Mathematics Teacher**
New Fairfield School District
54 Gillotti Road
New Fairfield, CT 06812

Currently teaching Mathematics; Algebra I and Algebra II grades 9-12

10/2004
8/2006 **Product / Applications Engineer**
The Valley Group;
871 Ethan Allen Highway
Ridgefield, CT 06877

Accomplishments

Worked closely with sales to define and specify system design requirements based on design criteria and customer requested

options for transmission line monitoring systems. Performed field installation of remote monitoring systems, testing for data points configuration and radio communications.

Established production schedules for manufacturing of high voltage transmission line monitoring systems. Performed time studies for production cost estimates and developed inventory control systems for JIT manufacturing and materials acquisition. Developed manufacturing drawings, schematics for product assembly procedures. Outlined and documented production techniques and process sheets for manufacturing.

Designed and developed manufacturing jigs for improved production yields. Performed failure analysis of field returns, developed and implemented solutions to prevent future failures.

7/1998 **Project Manager** - Electrical Design Engineering
5/2004 Neumade Products Corporation
 30-40 Pecks Lane
 Newtown, CT 06470

Accomplishments

Directed the design and development of power supplies for Xenon Arc Lamps. Designed project specifically for ease of manufacturing ("DFM"). Took this project from the idea stage to production with hands-on involvement and oversight of production process.

Directed software engineers in implementation of consumer-friendly touch-screen controls (GUI.) Spearheaded the development and design of computer-based automation system for the control of multiple movie theater functions including projection, film handling, and lighting and curtain control. Designed and developed all electronic circuitry associated with this system to provide maximum flexibility, future expansion and ease of operation for end user.

Identified critical need to re-organize documents and specifications within the company to streamline information gathering among all employees, including Engineering, Manufacturing, Inventory Control and Purchasing. Introduced and implemented document and inventory control procedures, component specification catalogs, etc.

Wrote User Operations Manual; Directed technicians and drafts-persons in creating consumer-friendly assembly instructions and graphic presentations. Performed field service at customers' sites for customer satisfaction, and engineering data collection at beta sites for field testing of newly developed products. Worked with customers, sales and production to outline scope and specifications of capital equipment projects for movie cinemas. Consistently succeeded in gaining approval of UL and other oversight agencies to ensure full compliance of new and existing products.

10/1993 **Design/ Development Engineer**
6/1998 Gripnail Corporation
 97 Dexter Road
 East Providence , RI 02914

Accomplishments

Spearheaded development & design of cutting-edge automatic pin-welder that reflected the needs of end-users in the HVAC industry and set the standard for user friendliness in sheet metal fastening equipment. Designed and developed power sensing circuit to stabilize weld quality during brown outs and line voltage droop. Harnessed same technology in application involving six-headed multi-phase welding system capable of welding fasteners to moving sheet metal and suitable for use in fully automated venues.

Worked closely with Sales and customers to define user needs and incorporated those needs into new technology. Consulted with technicians, end-users, Sales and Legal to write Assembly Manuals, Owners Operating Manuals, Troubleshooting Flow Charts

10/1986 **Project Engineer// Seminar Instructor**
6/1993 AGM Industries Inc
 16 Jonathan Drive
 Brockton , MA 02301

Accomplishments

Developed several Capacitor Discharge and ARC Welding Systems – Maximized design of single-phase drawn arc system via digital control allowing larger fastener application than competitors machines. Wrote numerous manuals, designed equipment for ease of troubleshooting and maintenance. Worked with tool & die makers and made improvements to high-speed stamping processes and ensure longer die life. Converted outdated press controls to solid state circuitry. Conducted consumer end-user

seminars on equipment use & applications, troubleshooting and maintenance.

INSTRUCTIONAL TECHNOLOGY

Computer conferencing (Blackboard).
Web Authoring (Dreamweaver).
Image Editing and Layered Design (PhotoShop), MGI Photo Suite II).
Digital Video (Movie Maker 2).
File Transfer (FTP).
Spreadsheets (Excel).
Slideware (PowerPoint).
Desktop Publishing (Publisher).
Applets (Java & Flashlets).

PERSONAL

Member,Phi Kappa Phi Honor Society
Recipient - University of Bridgeport Capstone Writing Award
Member, New Fairfield Permanent Building Committee
Member, New Fairfield Veteran's Association. Commander/ Honor Guard

REFERENCES

Lou Russo , Dept. Chair, Mathematics
New Fairfield High School
New Fairfield , CT 06812
(203) 312-5845
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Patti Lee-Muratori, Teacher, English
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Gaston Briere, Engineer
95 Schofield Ave
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