

## Erik D. Homme

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### Work Experience

*College Lab Assistant, Ridgewater College, Willmar, MN, August 2003 to present.*

- † Taught basic English and programmable logic controllers (PLCs)
- † Tutored academically disadvantaged students in math, English, electronics, electrical wiring, technical trades, desktop publishing, and AutoCAD
- † Taught, helped students, and supervised projects in electronics lab classrooms

*Owner, Tech Info Design Co., Lake Lillian, MN, October 2001 to present.*

- † Updated message forms 3 years annually for a global electronic banking transaction system; always finished early, under budget; documented process
- † Developed hardware, software, and user interface for embedded control products using BASIC and C
- † Designed, fabricated, populated, and soldered printed circuit boards
- † Produced manuals and managed foreign translations to meet clients' deadlines
- † Technical writing, illustration, photography, desktop publishing, web design

*Technical Writer/Webmaster and Electronics Technician, Bi-Phase Technologies/BDE, Ltd., Lake Lillian, MN, July 1994 to September 2001.*

- † Designed and conducted thermal performance tests on liquid propane fuel injection systems for commercial vehicles
- † Designed and specified automotive wiring harnesses; built prototype harnesses
- † Installed, calibrated, and wired pressure and temperature sensors, controls, and data acquisition systems for engines in vehicles and on a dynamometer
- † Created business plans, marketing sheets, kits, catalogs, assembly guides, visual bills of material, safety labels, and test equipment
- † Developed training, installation, and service manuals (all aspects, including research, text, illustrations, photography, translation, layout, and publication)
- † Created & published an extensive company web site using raw HTML; created all graphics, photos, and content
- † Helped conduct training sessions in English and Spanish

*Equipment operator, gravel dumper, and flagger, G & S Staffing, June 2003 to present (part time/temp); mostly worked for Duininck Brothers, Inc.*

- † Operated Roller, Sheep's Foot, Fork Lift, and Skid-Steer; MN D.O.T. cert. Flagger

*Emergency Medical Technician, Lake Lillian Ambulance Service, June 2004 to present.*

*Editor, The Lake Lillian News, August 2001 to present.*

### Education

B. S., Scientific & Technical Communication, University of Minnesota, Twin Cities.  
*Graduated March 1997 with distinction.*

### Affiliations

- † Senior member of the Society for Technical Communication.
- † Family farm background, including management-intensive grazing beef cattle.