

Curriculum Vitae

Lewis J. Owen

owenx115@morris.umn.edu

Address: 370 N Limit St. Apt 78, Colorado Springs, CO 80904

Phone: (715) 495-6588

Objective

To gain knowledge and experience in technical fields for career and enjoyment.

Education

Hennepin Technical College, Brooklyn Park, MN – Summer 2014

- Summer (June-July): Blueprint Reading and Solidworks I

Bachelor of Arts, University of Minnesota: Morris, MN, Graduated May 2012

Major: **Physics**

Minor: **Math, Chemistry**

U of M Morris, MN Courses – September 2007 to May 2012:

- Physics: General Physics I, Physics Journal Club I, General Physics II, Modern Physics, Experimental Physics, Electromagnetism, Atmospheric Physics, Optics, Classical Mechanics, Quantum Mechanics, Physics Senior Thesis, Circuits-Electronic Devices, and Statistical Physics
- Math: Calculus III, Discrete/Combinatorial Math, Mathematical Perspectives, Differential Equations, Analysis, Abstract Algebra I, and Mathematical Statistics
- Chemistry: General Chemistry II, Organic Chemistry I, Organic Chemistry Lab I, Physical Chemistry I, Physical Chemistry II, Physical Chemistry Lab, Inorganic Chemistry
- Computer Science: Problem Solving & Algorithm Development, Digital Media Computation
- Philosophy: Intro to Symbolic Logic, Introduction to Philosophy
- English: College Writing
- Communication Media & Rhetoric: Intro to Public Speaking
- Arts: Film Photography, Intro Theatre

U W Eau Claire, WI Courses – Summers of 2006 & 2007:

- Chemistry: General Chemistry
- Psychology: Introduction to Psychology

U W Stout, Menomonie, WI Courses – September 2005 to May 2007:

- Math: Calculus with Analytical Geometry I & II, Linear Algebra, Calculus III, Differential Equations with Linear Algebra
- Sociology: Introduction to Sociology

Durand High School, Durand, WI Diploma, 2007

Employment

Electro-Former, Thin Metal Parts, Colorado Springs, CO (Since October 2014)

- Responsible for timing of parts growth through a series of chemicals and electified baths

Contract Employee, Officeteam, Bloomington, MN (February 2013 – October 2014)

- Lawrence Merchandizing (Feb): Collating Product Advertizing and using a Pallet Jack
- Access Genetics (Feb): Business Document Modification
- Climb-a-Tech, Inc. (Mar-Apr): Dos to Windows Data Transfer and Data Entry
- **Cargill** (Jun '13-Oct '14): Site Map drawing using AutoCad 2011, Network Diagraming with Visio, Device Monitoring and Tracking with Remedy and Microsoft Excel, Technical Advising, and Software Installation

Bartender, Chanhassen Dinner Theaters, Chanhassen, MN (June 2013)

- Mixing Drinks, Remembering Orders, Keeping Supplies Stocked, Cleaning, and presenting myself with a Positive demeanor

Retail Associate, Rite Spot Liquor Store, Grand Forks, ND (June 2012 – December 2012)

- Run register and stock shelves

Lab Instructor, UND (August 2012 – September 2012)

- Taught and graded Calculas Based Physics Labs as part of UND Assistantship

Superior Industries LLC, Morris, MN (May 2011 – October 2011)

- General Laborer, work with assembling steel and plastic components

Teachers Assistant, U of M-Morris, MN (January 2008 - May 2011)

- Assistant to Physics Department professors,
- Setup and take down all lab projects

Building Supervisor, Regional Fitness Center, U of M - Morris, MN (April 2009 – November 2010)

- Performed building maintenance
- Responsible for patron safety
- Website Management

Temporary Employee, Manpower, Eau Claire, WI (June 2008 – August 2008)

- Worked in food service and as a courier for the Chippewa Falls Renaissance Fair for 5 weekends
- Worked other miscellaneous jobs through Manpower

Assembly Worker, Genesis Industries, Elmwood, WI (January 2008)

- Assembled veterinary medical supplies
- Completed multiple assembly and packaging processes

Website Designer, Owen Assessing, Menomonie, WI (June 2007 – June 2012)

- Website Management

Farm Laborer, Highland Dairy Farms & Stables, Durand, WI (June 2003 – August 2007)

- Part time Farm Laborer

Personal Experience

Weather Balloon Telemetry

In my Experimental Physics course, we had a weather balloon project. I was in charge of tracking the balloon retrieval. I presented my part of the project by plotting the flight path in Google Earth which I researched how to program.

Data Acquisition and Presentation

For a group project in Physical Chemistry, my group created a documentary on the 'BZ Reaction'. My most important contribution was using JES software, which I was learning in Digital Media Computation, to both extract color data over time from video we recorded of the reaction as well as using the software to make a video active plot. <http://youtu.be/nEncoHs6ads?t=9m36s>

Modeling Courses and 3D Printing

In the past year I became very interested in 3D printing and the modeling softwares to go with it. I had assembled my own Printerbot and begun printing, but I wanted to take it a step further. So I went to HTC to get access to Solidworks.

References

Thin Metal Parts

Reference: Andrew Rubalcava, Electro-Fabrication Supervisor (719-321-2214)

Cargill

Reference: Pete Stadick, I.T. Technical Consultant (952-742-7114) pete_stadick@cargill.com

U of M-Morris, MN

Professor Michael S Korth, PHD, Room 2350 Sci, University of Minnesota, Morris.
(320-589-6317) korthms@morris.umn.edu

Professor Gordon C McIntosh, PHD, Room 2535, University of Minnesota, Morris.
(320-589-6342) mcintogc@morris.umn.edu

Professor Sylke Boyd, PHD, Room 2315 Sci, University of Minnesota, Morris.
(320-589-6315) sboyd@morris.umn.edu

Professor Matthew Len Keeler, PHD, keelerl@morris.umn.edu

Rite Spot Liquor Store

Reference: Rick Abar, Co-Owner (701-775-7051)

Regional Fitness Center

Reference: Wayne Morford , RFC Director (320-589-6485) waynem@morris.umn.edu

Manpower

Reference: Kristina Roths, Renaissance Fair Supervisor (715-933-0810)

Genesis Industries

Reference: Brian Husby, HR (715-639-2435)

Owen Assessing

Reference: Jack Owen, Owner (715-643-2081)

Highland Dairy Farms & Stables

References: Gary Brenner, Owner (715-495-6702)