

FREDRIC WILLIAM FYVIE

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Current School Address:

1210 E 2nd St. Suite #2

Duluth, MN 55805

Permanent Address:

1009 2nd St. SE

Faribault, MN 55021

OBJECTIVE

An electrical/computer engineering or computer science position where I may utilize my knowledge of engineering principles to design, build, test, and distribute high quality solutions while working with a team of engineers.

EDUCATION

University of Minnesota Duluth, Duluth MN

Enrolled Senior with expected graduation in December, 2013

BS in Electrical and Computer Engineering

Minors: **Computer Science and Mathematics**

GPA 3.56/4.00 - Cum Laude with Departmental Honors

Related course work

Digital and analog circuit design and analysis with strong emphasis in lab work

Power circuitry with emphasis in conversion schemes and transmission

Firm understanding of semiconductor physics

Programming in Java, C++, VHDL design language, and 68HC12 microcontroller assembly

Design and assembly of a 4-band equalizer circuit

Mankato State University, Mankato MN

Post Secondary Enrollment Option 2008, 2009

Waterville-Elysian-Morristown High School, Waterville MN

Diploma 2009- GPA: 3.985/4.00

HONORS

Member of Tau Beta Pi Engineering Honor Society

Dean's List- Swenson College of Science of Engineering Fall 2009, Fall 2011, Fall 2013

Builders Scholarship from the University of Minnesota Duluth

Best of Class Scholarship from the University of Minnesota Duluth

Academic Scholarship from the University of Minnesota Duluth

Iron Range Scholarship from the University of Minnesota Duluth

Salutatorian of High School class

TECHNICAL KNOWLEDGE AND SKILLS

Software: NetBeans IDE, Eclipse IDE, Microsoft Visual Studio, Cadence, MS Office, SPICE, Xilinx ISE

Computer Languages: Java, JavaScript, C++, VHDL, Assembly with emphasis in MIPS and 68HC12 instruction sets

OS: Windows, Mac, some Linux

EXPERIENCE

Room Service Attendant (Ambassador). St Luke's Hospital. Duluth, MN.

September 2010 - Present

Use computer dietary software, provide patient assistance and ensure patient and guest satisfaction, administer meals.

Electrical Engineer Intern. SAGE Electrochromics, Inc. Faribault MN.

May 2011 - August 2011. January 2012. March 2012

Thermal, software, and power efficiency testing. Creation of REACH and RoHS compliance statements. Product research, circuit simulation, and assembly of demonstration models. Led meetings with potential suppliers. Articulated findings to engineering team.

Waiter, Car Hop. A&W Restaurant. JSH Inc. of Faribault. Faribault MN.

May 2010 - August 2010, December 2010 - January 2011

Greeted and served dine-in customers, entered orders into computer, served meals, cleared and cleaned tables

ACTIVITIES AND ORGANIZATIONS

Head of AV Tech Team- Campus Crusade for Christ. 2010-Present

Member- IEEE Student Branch

Member- National Honor Society 2006-2009