

Tim Kosanke

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EDUCATION

University of Minnesota Duluth
Bachelor of Science, Expected May 2014
Recipient of Chancellor's Scholarship
IEEE Member, 2010 - Present

Major: Electrical and Computer Engineering
Minors: Computer Science, Mathematics
GPA: 3.26/4.0

Relevant Coursework

Digital Control Systems Design
Software Analysis and Design
Microcomputer System Design

Digital Computer Circuits
Introduction to Semiconductors
Electronics II

RELATED EXPERIENCE

Unisys Corporation, Roseville, MN

Technical Aide, Business Solutions and Performance Analysis

May 2012 – August 2013

- Analyzed several companies' run-time data to discover where improvements could be made to increase performance output and delivered reports summarizing that data in a clear and concise manner.
- **Major project:** Built a Java program that organized a series of operating system instructions to be imported into Excel to evaluate run-time efficiency, and collaborated with supervisor to devise a unique solution to enhance the Java program's compiling speed.
- **Major project:** Designed, implemented, and evaluated a series of profiles that were used in determining efficiency of multiple applications. Evaluated results with coworkers to assess application efficiency.

ACTIVITIES

Volunteer, Animal Allies Humane Society

April 2013 – Present

Eagle Scout, Boy Scouts of America

March 2009

- Developed an environmental plan to prevent runoff from entering Big Marine Lake, and managed 25 volunteers to execute the project.
- Planted 100 trees and laid bio-roll to allow runoff to mold a natural berm, preventing further runoff from entering the lake and creating a natural wetland to attract new species into the area to improve the existing environment.

COMPUTER SKILLS

- Languages: C, C++, Java, VHDL, Assembly
- CAD Tools: Matlab, Mathematica, PSpice, Xilinx ISE
- Operating Systems: Windows, Linux, OS X, Android

References Available Upon Request