

Stephen Lanham

lanhamsm@umich.edu
(989)-859-4049

LOCAL ADDRESS

441 S. First St. Apt. #101
Ann Arbor, MI 48104

PERMANENT ADDRESS

13379 Torch River Rd.
Rapid City, MI 49676

OBJECTIVE

Seeking full-time position in exciting software development position. Strong interest in customer-focused design, high-energy environment, and team-based approach.

EDUCATION

University of Michigan

B.S.E. in Computer Science and Engineering

B.S.E. in Mechanical Engineering

GPA: 3.65/4.00

- Dean's Honor List, Six Semesters
- William J. Branstrom Freshman Prize for upper 5% of Class

Ann Arbor, MI

December 2013

INDUSTRY EXPERIENCE

Stryker Medical Instruments

Software Development Intern

- **Designed architecture for inter-processor communication in ultrasonic aspirator**
- Developed and tested boot loader for bare-metal C++ applications on embedded hardware
- Wrote and tested applications on Zynq FPGA development board

Kalamazoo, MI

Summer 2013

The Boeing Company

Student Intern

- Coordinated a design team in In-Flight-Entertainment optimization project
- **Saved 787 Dreamliner Program over \$6,000 in production costs**
- Co-led intern team to develop crash-site inspection safety checklist
- Gained exposure to upper management and technical fellows

Seattle, WA

Summer 2011

University of Michigan, College of Engineering

Student

- Optimized ride-height feedback system on MOTH hydrofoil sailboat
- Developed and implemented numerous programs in C/C++, MATLAB environments
- Developed robotics for class-wide competition
- Designed wheelchair-mounted powered backpack holder for disabled students

Ann Arbor, MI

Fall 2009 - Winter 2013

LEADERSHIP EXPERIENCE

University of Michigan Men's Rowing Team

President, 2012-13

- Won ACRA National Championships in 2010, 2011, 2013
- Summer 2012 – Competed in the Henley Royal Regatta in Oxfordshire, England
- Trained 24+ hours per week in addition to schoolwork, all year-round

Ann Arbor, MI

Sept 2009-May 2013

Boy Scouts of America

Eagle Scout

- Held numerous leadership positions, culminating in achievement of the Eagle Scout Rank
- Organized and executed service project for women's shelter, requiring over 150 man-hours

Midland, MI

Fall 2004-Spring 2009

RESEARCH EXPERIENCE

Study of Discrete Event Systems

Undergraduate Research Assistant

- Write C/C++ applications to search automata for blocking states, optimizing for memory usage

Ann Arbor, MI

May 2013-present

RELEVANT SKILLS

Environments: Windows, Linux, Mac OS, ARM

Applications: C/C++, PHP, SQL, Verilog, MATLAB, Arduino, Solidworks