

Anthony M. Oliver

Objective

To obtain a position as a Software Engineer utilizing my skills in computer programming, software development, and Software Engineering with Applications in Robotics and Embedded Systems

Education

Michigan Technological University (MTU) Houghton, MI

BS Software Engineering

Certifications: Electronics & PC Repair

Work Experience

CEC Controls – Vision System Engineer & Software Developer [4/2008 - Present] Wixom, MI

- Designed and programmed various industry standard vision systems such as cognex for error proofing, traceability, identification, and robot guidance.
- Supported 175+ camera systems for new General Motors transmission launch
- Helped develop stochastic based fixturing system (dubbed relative or heuristic fixturing) to help increase the accuracy of tools used in error proofing and inspection.
- Developed software used in error proofing systems in automation
- Software design and documentation for various in-house software packages.
- Saved significant licensing and software cost by suggesting and installing various alternative open solutions
- Setup remote backup synchronization for various remote offices as part of a disaster recovery plan.

Proxous – Web Development [9/2006 - 12/2009]

Built many different types of websites (brochure, social groups, e-commerce, etc)

Applied Manufacturing Technologies – Robotics Engineer [1/2008 – 4/2008] Lake Orion, MI

Programmed Industry Standard Robots and Vision Systems

Google – Summer of Code Student [6/2007 – 8/2007] Remote

Drupal Association worked on Case Tracker Module for Drupal Content Management System

Roadsoft – Roadway Asset Management Software [4/2006 – 5/2007] Houghton, MI

Software Engineering and Web Developer

SHAFI, Inc – Vision Guided Robotic Software [1/2005 – 4/2006] Houghton, MI

Software Developer and Applications Engineer

Project Work

- *Quality Conference 2010 Speaker* – Presented at this conference on open source software in vision systems
- *MTU Robotics Enterprise* – Worked on programming/controlling industry robotic system applications
- *Senior Design* – Worked on cross-departmental sea crane control code for the Navy (project: Seabase)
- *Software Quality Assurance* – Designed a sports performance monitor based on user elicitation
- *Human Computer Interaction* – Created a touch screen interface for a fast food restaurant
- *Team Software Project* – Cross-platform educational maze game to teach students the soil food-web
- *Project Management* – Designed an electronic book distribution system for a University
- *Hardware/Software Integration* – Worked on various embedded device applications

Knowledge

Operation Systems

MS Windows (All Releases)

Linux (Many Distributions)

QTopia/Embeddix

Unix

Solaris/SunOS

DOS

Programming

Java, C, C++, C#, QT

.NET, Eclipse, Mono, etc.

Assembly & Verilog

MATLAB, Mathematica

Visual BASIC

HTML, XML, JavaScript,
PHP, AJAX

Miscellaneous

Network+

MS Office/Open Office Suites

Image/Graphic Design

Software Quality Assurance, Technical
Writing

CASE Tools & Version Tools (CVS,
SVN, etc)

Content Developer for Braincube Records

Leadership/ Group Activities

- President and National Member of the MTU ACM Student Chapter
- President/Founder/Instructor of the MTU Brazilian Jiu-Jitsu Club
- Started web development company in April of 2007. (<http://www.proxous.com>)
- Member of Ypsilanti-Ann Arbor Area Robotics Club (YAAARC)
- Member of the Ann Arbor Makers group All Hands Active (<http://www.allhandsactive.com>)
- Member of a2geeks
- Helping start non-profit hackerspace in Ann Arbor called All Hands Active for DIY's and makers

Portfolio

<http://www.anthonyliver.net>

E-mail & Phone

email@anthonyliver.net

(248) 996-0295