

WILLIAM D. O. CUNNINGHAM

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126 Depot Street, Ann Arbor MI 48104-1018

SKILLS

Programming

- C/C++
- Java
- Bash/Sh

Operating Systems

- Linux
(openSUSE, Ubuntu, Fedora)
- Windows

Productivity Tools

- Vi(m)
- Git/SVN
- Make
- L^AT_EX
- Microsoft Office

PROJECT EXPERIENCE

EECS 370:

- Assembler for class processor
- Simulator for class processor

EECS 281:

- Path Planning Project
- Sorting Algorithm Project

EECS 280:

- A Sorry! Simulator

EDUCATION

University of Michigan

Sep. 2009 - Dec. 2012

Ann Arbor, Michigan

- Major: Computer Engineering, Junior
- GPA: 3.311/4.000
- Relevant Coursework: EECS 203: Discrete Math, EECS 270: Digital Design, EECS 280: Programming and Data Structures, EECS 281: Data Structures and Algorithms, EECS 370: Computer Organization

Washtenaw Community College

May 2010 - Aug. 2010

Ann Arbor, Michigan

- GPA: 3.9/4.0
- Transfer credit classes during the summer.

St. Clair County Community College

May 2005 - May 2009

Port Huron, Michigan

- GPA: 4.0/4.0
- Transfer credit classes during high school.

RELEVANT EXPERIENCE

APRIL Lab - Ann Arbor, Michigan

June 2009 - Present

Autonomy, Perception, Robotics, Interfaces and Learning

DSP Computer Vision

- Worked on a project to offload computer vision algorithms to a single purpose embedded system using the TI OMAP3p platform and its C64x+ DSP core.

MAAV Team - Ann Arbor, Michigan

Sep. 2010 - Present

Michigan Autonomous Aerial Vehicle Team

Embedded Subteam

- Worked on an IMU Filter for the quadcopter
- Assisted in designing the data pipelining
- Server administrator

EMPLOYMENT

EECS - DCO

March 2010 - Present

Electrical Engineering and Computer Science - Departmental Computing Organization

Student Administrator

- Diagnosed and repaired hardware and software issues in Linux, Windows and Mac OSX
- Suggested hardware purchases based on intended use of the computer
- Managed Active Directory and Linux configuration for the computers in the department
- Maintained Linux servers for Sendmail, NFS, BackupPC, Git/SVN, etc.

ACTIVITIES

- University of Michigan Hockey Band

2009 - 2011

HONORS

- Scholar Power Undergraduate Achievement Award 2011
- University of Michigan Dean's List Winter 2010
- University of Michigan Regent's Merit Scholarship 2009
- Jack Kent Cooke Summer Research Fellowship 2009
- Michigan Promise Scholarship 2009
- Croswell-Lexington High School Valedictorian Class of 2009
- Blue Water Area Conference All-Academic Team 2009
- Sanilac County All-Academic Team 2009
- St. Clair County Community College President's Honor Roll 2008 - 2009