

CAMERON BURKE

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OBJECTIVE

To obtain an internship for the summer of 2017 in the field of Electrical or Computer Engineering.

EDUCATION

BS Electrical and Computer Engineering, GPA 3.02 Department 3.42 Expected Graduation – 2018
Michigan Technological University, Houghton, MI

ENGINEERING PROJECT EXPERIENCE

Project: Clearpath Robotics – Project Manager **Fall Semester – 2016 – Spring Semester 2017**

Project Description: Use Ubuntu 14.04 Linux with ROS to create simulations of Clearpath Husky and Jackal robots for research-based autonomous deployment under the ECE Department

Responsibilities include: Developing simulation environment for Clearpath robots, includes development for movement, sensor integration, geo-mapping, etc., deploying Spring 2017. Other responsibilities include team management, code repository collaboration, Linux scripting

Project: Counter UAV Intercept Drone **Spring Semester – 2016**

Project Description: Create an intercept drone to disable trespassing or law-breaking drones

Responsibilities included: Testing of radio controlled gas expulsion system, creation of solenoid disruption system, fabrication and programming of intercept drone and flight controller, electrical power systems and control systems, thorough testing and revision of concept, presentations to sponsors and board members, resource management

Project: Power-band Vehicle **Fall Semester – 2014**

Project Description: Team based process of designing and creating a working small-scale vehicle

Responsibilities included: Designed constraints for vehicle, lightweight design development, fabrication from design, MATLAB simulation, prototype testing, problem solving and cost cutting, final portfolio documenting design process and project milestones

COMPUTER SKILLS

Visual Basic, XAML, C#, Java, MATLAB, Verilog, HTML5, CAD, Arduino, Linux

WORK HISTORY

Gentex – Vision Group Intern **Summer 2016-Current**

Responsibilities include: application design and creation for quality control through machine vision, Visual Basic and XAML, UI design, code repositories, research and development into new vision techniques

Robotics Systems Enterprise – Lab Manager **Spring 2016**

Responsibilities included: Maintaining stock of supplies, managing equipment orders, updating safety procedures, managing lab machines and computers

IT-Operations **Fall 2015-Spring 2016**

Responsibilities included: Computer hardware and software reconstruction, script and package building, large-scale enterprise networking, distribution and delivery of product, quality assurance, customer service

Wadsworth Hall Reception Desk **Fall 2015-Spring 2016**

Lifestyles Hot Springs Spas **Summer 2015**

Home-building Construction – Family Owned **Summer 2014/2015**

HOBBIES

Quad-copter construction and programming, IEEE member, MTU broomball, radio broadcasting with WMTU, live music performances – The Drew Markel Band, photography, videography

References Available Upon Request