Jesse Ardonne

PRESENT ADDRESS
Southlake Avenue
Baton Rouge, LA 70804

PERMANENT ADDRESS
Smith Drive
Walker , LA 70785

JOB OBJECTIVE

To apply my experience in a high-tech growth-oriented organization and utilize strong organizational, communication, and interpersonal relation skills in a challenging and creative environment.

INDUSTRY EXPERIENCE

Engineering Intern   Panama City, FL
Naval Surface Warfare Center PCD   May 2015 – July 2015

The project consisted of autonomously launching and landing a quadcopter on an unmanned surface vehicle. An IRIS quadcopter, equipped with a Pixhawk controller, was outfitted with a Raspberry Pi backseat driver for autonomous control. Python, MAVlink and OpenCV were utilized to interface with the vehicle and provide autonomous control and image processing. Through image processing, an IR light source was identified and used to guide the quadcopter to the landing platform.

Engineering Intern   Morgan City, LA
Oceaneering   December 2011 – August 2012

During this internship, my primary objective was maintaining, troubleshooting, and debugging underwater ROV hardware units returning from offshore. Working with two other engineering undergraduates from different engineering backgrounds, additional tasks included creating models in SolidWorks, providing offshore technical support, and wiring equipment modules for deployment.

ACADEMIC EXPERIENCE

Graduate Teaching Assistant   Louisiana State University   August 2015 – Present
                                                            Morgan City, LA

Teaching assistant for EE 4755 – Digital Design Using HDLs and EE 3752 – Microprocessor Systems.

Graduate Research Assistant   Louisiana State University   August 2012 – March 2015
                                                            Baton Rouge,LA

Research in Computer Architecture, Hardware Engineering, Cache Management, Transactional Memory, and Memory Hierarchy which included GPU cache bypassing and warp throttling, hardware implementation of transactional memory on GPUs, heterogeneous shared cache resource contention algorithms, and microarchitectural comparisons between Intel Xeon Phi and Nvidia GPU accelerators.. Held the Economic Development Assistantship.

Undergraduate Research Assistant Southeastern Louisiana University   February 2010 – June 2010
                                                            Morgan City, LA

Assisted in faculty research projects by testing incoming hardware peripherals via programming and hyperterminal. Presented research on internet-based teleoperations of a mobile robot (Pioneer 3AT).