

Justin T. Smith

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EDUCATION *August 2003 – December 2008, West Virginia University, Morgantown WV*

Bachelor of Science in Computer Engineering

Bachelor of Science in Electrical Engineering

Relevant Course Work: Controls, Wireless Communications, Microprocessors Systems, Power Systems, Digital Electronics, Microcomputer Structures, Signal and Systems, Operating System Structures, and Analog Electronics

WORK EXPERIENCE

March 2011 – October 2011

Mountain State Brewing Company, Morgantown WV

Front of House Manager

Responsibilities: provided service through cooking, serving and managing the restaurant

August 2005 – December 2010, West Virginia University, Morgantown WV

Center for Industrial Research Applications

Research Assistant

Responsibilities: Manage and support information technology, provide electrical technician support, and implement data acquisition software

FIELD WORK AND RESEARCH EXPERIENCE

Project Oculus (Surveillance/reconnaissance platform development for C-130 aircraft)

- Control center design and fabrication, electrical configuration, controls and instrumentation

Circulation Controlled Vertical Axis Wind Turbine Program (Advanced lift vertical axis wind turbine development project/renewable energy)

- Data acquisition software development, data collection and safety protocols for baseline high lift turbine testing

High Performance Computing Cluster Development Project

- Develop hardware/software and operational protocols for development of a super computer for CFD project use

- Cluster nodes hardware specification, assembly and software setup, networking interconnects, remote access and maintenance

COMPUTER EXPERIENCE

MS Windows, Linux, MS Office (XP – 2007), C++, HTML, BASIC, Fortran, National Instruments Labview, x86 machine code, PSPICE, computer hardware design and construction for desktop and cluster computers, computer networking, electronic soldering, and knowledgeable with automotive and aircraft wiring standards

HONORS AND ACTIVITIES

West Virginia University Mountaineer Scholar – Merit Based Scholarship

PROMISE Scholar – Merit Based Scholarship

Boy Scouts of America - Eagle Scout

PUBLICATIONS

“Development of a Small-Scale Computer Cluster,” Jay Wilhelm, **Justin T. Smith**, James E. Smith, March 2008 SPIE Defense & Security Symposium, Paper No. 6961-22.

REFERENCES References are available upon request.