

Brian Wheeler

bdw145@psu.edu

Phone: 814-217-2149

Box 1488 Behrend Campus

Station Road

Erie, PA 16563

Objective: Full time employment in a field relating to Computer Engineering.

Education: Pennsylvania State University 1998 – Present
BS Computer Engineering, Date of Graduation: May 2003

Projects:

MIPS Computer (PSU): Simulated a multi-cycle computer based on the MIPS RISC architecture. Semester long individual and group project including the design of I/O devices to interface with the computer. Hardware coded in VHDL, software in MIPS machine code and assembly language.

Tokenizer / Command Interpreter (PSU): Utilized object oriented programming, recursion, dynamic memory allocation, and stack manipulation.

Project Management Database (Lord Corp.): Co-developed a web interface to an organization-wide legacy database. Learned SQL, ASP, and VB. Responsibilities included organizing meetings with engineering managers, migrating data, and creating dynamic SQL and HTML for web pages.

Relevant Experience:

PSU Center for Academic Computing, University Park, PA 5/00 – 8/00, 5/01 – 8/01
Assistant Instructor: Assisted instructors during summer workshops for faculty, staff, and graduate students. Topics included: web design, graphics, and basic computer skills. Provided one on one instruction and support to attendees.

Lord Corporation, Erie, PA 5/02 – 8/02
Applications Development Group: Project Management Database (see Projects section above)

Skills / Qualifications:

Programming Languages: C, C++, Pascal, x86 ASM, MIPS ASM, MC6811 ASM, HTML, JavaScript, Visual Basic, SQL, VHDL

Operating Systems: MS Windows (All), Linux, BSD

Design Tools: Magic, Spice, Logic Works, Xilinx Foundation, Pspice, Matlab, Maple V, Aldec Active-HDL

Awards / Interests:

Received Boy Scout of America Eagle Scout Award (1998)

References available upon request.