

John Sarris Burke

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Education

Boston University College of Engineering, Boston, MA

Master of Engineering in Computer Engineering, September 2017

GPA – 3.26/4.0

Bachelor of Science in Electrical Engineering, September 2011

GPA – 3.05/4.0

Relevant Coursework

Computer Architecture

High Performance Programming

Embedded Systems

Machine Learning

Digital Design with Verilog and FPGAs Analog VLSI Circuit Design

Work and Research Experience

Boston University, Boston, MA, May 2017 to present

Research with BU ICSG

◊ Working to implement the RISC-V based Berkely Out of Order Machine on FPGA

Meditech, Framingham, MA, November 2011 to January 2017

System Analyst and Tool Development

◊ Developed TruCode Interface, in-house portion of the Site Information Retrieval Tool, other tools

◊ Fixed and updated Meditech Software in C++, x86 Assembly, and Proprietary Languages

Boston University, Boston, MA, September 2009 to May 2011

Undergraduate Teaching Assistant

◊ Assisted Professor teaching MATLAB to Engineering students

◊ Graded exams and quizzes, managed labs, recitations, and office hours

Relevant Projects

Technical Skills

Languages	C/C++, Verilog, Assembly (x86, ARM, RISC-V), Python, Perl, CUDA, MATLAB, ATS
Software	Cadence, Xilinx ISE, PyMTL, Visual Studio, Windbg, \LaTeX , SPIM, Valgrind
Other	Strong Experience with Linux and Windows, Synthesis and configuration of FPGAs

Other Information

Served several times in Mississippi for Hurrican Katrina Relief, impoverished areas of West Virginia. Often assist at Saint Francis House in Boston.