

JOHN C. YACKOVICH

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Education

M.S. Computer Science; University of Pittsburgh, Pittsburgh, PA

Graduated April 2011, GPA 3.955

Relevant Coursework:

Operating Systems	Computer Architecture
Design & Analysis of Algorithms	Advanced Topics in Web Technologies
Foundations of Artificial Intelligence	Advanced Topics in Programming Languages
Advanced Topics in Computer Graphics	Research Topics in Human-Computer Interaction
Computer and Network Security	

B.S. Computer Science; Shippensburg University, Shippensburg, PA

Concentration in Software Engineering, Minor in Mathematics

Graduated May 2008, Summa Cum Laude, GPA 3.85

Honors:

Graduated from Shippensburg University Honors Program
Member of Upsilon Pi Epsilon Computer Science Honor Society (inducted Spring 2007)
Member of Phi Kappa Phi Honor Society (inducted Spring 2007)
Dean's List (Fall 2004–Spring 2008)
Outstanding GPA Award (Fall 2004–Spring 2008)

Experience

Graduate Student Researcher University of Pittsburgh, Pittsburgh, PA (Spring 2009–Fall 2010)

Developed/tested MAC-level protocols for Wireless Sensor Networks using C on FireFly Architecture
Developed/tested simulation networks using Linux/C++ with CSIM simulator libraries
Improved scheduling algorithms for energy and speed savings

Software Engineering Intern Robert Bosch LLC, Pittsburgh, PA (Summer 2010–Fall 2010)

Designed and developed architecture for Residential Gateway Platform using OSGi
Researched both semantic and low-level protocol integration options for gateway system
Designed and Developed Android-based smart phone client for Gateway Platform

Teaching Assistant University of Pittsburgh, Pittsburgh, PA (Fall 2008–Spring 2009)

Taught recitations, assisted students with Linux kernel modification, file system implementation

GPS Interface Programmer Shippensburg University, Shippensburg, PA (Spring 2008)

Implemented interface using C# between GPS device and Pocket PC for GPS-enabled campus tour
Presented project to PA Board of Governors and received University funding

Student Tech Shippensburg University, Shippensburg, PA (Fall 2007–Spring 2008)

Performed troubleshooting and support for computer lab and faculty workstations
Assisted in project to redesign CS department login system with Linux/Solaris, Kerberos, and LDAP

Web Programmer Shippensburg WICS, Shippensburg, PA (Fall 2007)

Designed and programmed PHP/MySQL Content Management System for periodic Podcast releases

Research Aide Argonne National Laboratory (MCS Division), Argonne, IL (Summer 2007)

Developed C/Fortran extensions for the MPI-Serial library using GNU/Linux environment and tools

Webmaster The Slate Newspaper, Shippensburg University, Shippensburg, PA (Spring 2007)

Maintained website and updated articles with Adobe Dreamweaver

Skills

Professional experience with C, Java and OSGi Service Platform

6 years Linux development environment experience (full-time user of Gentoo and Debian-based distributions)

Well-versed in bash shell scripting

Working knowledge of:

Python	HTML/CSS	Perl
Qt Toolkit	C++	C#
Fortran 77/90	GNU Autotools	MIPS-style asm