

Casey J. Burkhardt

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Villanova University
B.S. Computer Science - Class of 2011
M.S. Computer Science – Class of 2012
Grade Point Average (Overall): **3.44**
Grade Point Average (Within Major): **3.74**

Educational and Vocational Objectives:

- To graduate from Villanova University with a B.S. and M.S. in computer science.
- To obtain employment with companies within the field of computer science during the summer months between semesters.
- To obtain full time employment within the field of computer science at a leading technology company upon graduation.

Academic Record:

- Graduated with honors from Toms River High School East, *Toms River, NJ* – June 2007
- Post-Secondary Education – *Ocean County College, Toms River, NJ*
 - *Relevant computer science courses taken concurrently with high school*

Introduction to Computer Organization
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<i>A course which discussed the history and organization of the modern computing system.</i>
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Networking Essentials

<i>A course which discussed the theoretical aspects of computer networking.</i>

- Post-Secondary Education – *Villanova University, Villanova, PA*
 - *Relevant computer science courses*

Algorithms and Data Structures I, II, III
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<i>A series which teaches the workings of the Java programming language, object oriented paradigm, GUI design and development, and a variety of common algorithms and data structures.</i>
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Discrete Structures, Analysis of Algorithms, Theory of Computability (Graduate Level)
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<i>A series which discusses the theoretical mathematics of computing as well as algorithm analysis and design.</i>
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Computer Systems I, II

<i>A series which explores the C programming language and the use of UNIX environments.</i>

Programming Languages (Graduate Level)

<i>A course which investigates design principles, concepts, and constructs underlying programming languages.</i>
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Relevant Technical Experience and Skills

- Experienced in software development using Java, C, and C++ and mobile application development for iPhone OS using Objective-C.
- Experienced in web development using HTML, CSS, PHP, MySQL, and Ruby on Rails
- Experienced with a variety of operating systems, including Windows XP / Vista / 7, Mac OS X, and numerous distributions of Linux / Unix
- Familiar with Microsoft's .NET Framework, Visual Basic, Visual Basic for Applications (VBA), and Microsoft Access application development

Relevant Employment Experience

Place of Employment	Occupation	Years	Description
LPanel.Net Corp. and DataCities Inc. <i>http://lpanel.net</i> <i>http://datacities.com</i>	- Support Technician - Software / Web Developer - Systems Administrator	2004 - 2007 2006 - 2007 2006 - 2007	Managed technical support operations, assisted with commercial web application development tasks and managed daily operations of a Linux web hosting server cluster.
Villanova University Department of Computing Sciences <i>Villanova, PA</i> <i>http://csc.villanova.edu</i>	- Systems Administrator Assistant - Web Developer - Teaching Assistant	2007 - Current 2008 - Current 2008 - Current	Assist with systems administration tasks, technical lead for development of departmental website, and assist with teaching support for introductory computer science classes.
Creative Multimedia Solutions <i>Villanova, PA</i>	- Web Developer	2008 - Current	Responsible for development of websites and web applications on a contractual basis.
National Aeronautics and Space Administration (NASA) – John C. Stennis Space Center <i>Hancock County, MS</i>	- Software Developer – Propellant Systems Modeling Environment (PSME) – Summer Intern	Summer 2008	Worked with a team of enterprise application developers to create a rocket propulsion testing simulation data management software package currently in use by NASA and its contractors.
Google Inc. <i>Mountain View, CA</i>	- Google BOLD Practicum Associate	Summer 2009	Participated in Google's BOLD Practicum for Engineering, a ten week internship for students of computer science. Developed and released an open-source x86 instruction analysis tool.

Activities, Leadership Experience, Memberships

Organization	Years
Association for Computing Machinery (Villanova Student Chapter) Treasurer, Vice President	2007 – Current 2007 – 2009, 2009 – Current
Upsilon Pi Epsilon (Computing and Information Sciences Honor Society)	2009 - Current
International Collegiate Programming Competition Participant	2007 – Current
Villanova Blue Key Society (Office of University Admissions Volunteer Staff)	2007 – Current
Villanova University Orchestra Treasurer, Webmaster	2007 – Current 2007 – 2009, 2009 – Current
New Jersey Association of Blind Students Board Member and Web Chair	2007 – Current 2007 - Current
Villanova University Pastoral Musicians	2007 – 2008
The Villanovan Webmaster	2008 – 2009