

*Curriculum Vitae*

**John L. Van Hemert**

Interdepartmental Bioinformatics and Computational Biology Program  
BCB Lab Consultancy Group  
Iowa State University  
Ames, Iowa 50010  
(515)290-5156  
jlv@iastate.edu  
<http://www.public.iastate.edu/~jlv>

**Education**

Iowa State University

Expected Ph.D., May 2011

*Major* Bioinformatics and Computational Biology

*First Year Advisor* Dr. Vasant Honavar

*Grade Point Average* 4.00/4.00

University of Northern Iowa

Bachelor of Arts with Honors, May 2006

*Honors Thesis* TestCASE Tool: A Software Engineering Aid

*First Major* Computer Science

*Advisors* Dr. Mark Fienup

Dr. Janet Drake

*Second Major* Management Information Systems

*Advisor* Dr. Roberta Roth

*Grade Point Average* 3.85/4.00

**Consultancy Experience**

*BCB Lab* A graduate student administered consultancy group for Iowa State University  
<http://lab.bcb.iastate.edu/>

**Research Projects** – see <http://www.public.iastate.edu/~jlv> for details

*Completed*

04/2007\* Gene Network Simulation for Testing Novel Network Solving Methods  
Rotation project for Dr. Hui-Hsien Chou

04/2007\* Viral Entomological Database Project  
BCB Lab project for Dr. Lyric Bartholomay

02/2007 Search for Motifs in Putative Barley Promoters Found via Rice Homologues  
Course project for Dr. Volker Brendel

01/2007 High Scoring Segment Statistics Randomization Test  
Course project for Dr. Volker Brendel

01/2007 Gene Ontology Leaf Finder  
Rotation project for Dr. Vasant Honavar

11/2006 Assist Barley Yellow Dwarf Virus Genome Sequencing Project  
Rotation project for Dr. W. Allen Miller  
Contributed to National Science Foundation grant proposal

11/2006 Throttle: A Multiple Sequence Alignment Heuristic  
Course project for Dr. Oliver Eulenstein

04/2006 TestCASE Tool: A Software Engineering Aid  
B.A. Honors Project

### **Scholarships and Fellowships**

<i>Current</i>	Graduate Assistance in Areas of National Need Fellow	Five year fellowship
<i>Current</i>	Iowa State University BCB Rotation	\$20,000
<i>2002-2006</i>	University of Northern Iowa Provost Scholar	\$10,000
<i>2002-2006</i>	Al and Clara Lake Trust Scholar	\$3,600
<i>2006</i>	University of Northern Iowa Computer Science	\$1,000

### **Honors and Awards**

<i>2006</i>	Purple and Old Gold Award, University of Northern Iowa Computer Science
<i>2006</i>	Graduation with Honors, University of Northern Iowa
<i>2006</i>	Magna cum Laude, University of Northern Iowa
<i>2006</i>	Upsilon Pi Epsilon National Computer Science Honor Society, UNI Chapter
<i>2006</i>	Vice President, Upsilon Pi Epsilon, UNI Chapter

### **Affiliations**

<i>ACM</i>	The Association for Computing Machinery
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