

# Jason Matthew Bosko

## Permanent Address

105 Bell Vista Dr.  
Cary, NC 27513  
(919) 677-0682

jason.bosko@duke.edu

## Current Address

Duke University Box 99858  
Durham, NC 27708  
(919) 280-8431

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**Objective** To obtain a challenging summer internship in Computer Science or Engineering.

**Education**

**Duke University**, Durham, NC August '04 – Present  
*Expected to obtain B.S. in Electrical & Computer Engineering, Computer Science*

- GPA: 3.725 / 4.0
- Key Courses: Program Design/Analysis II, Intro to Electric Circuits, Intro to Switch Theory, Software Design/Implementation, Computer Architecture, Signals & Systems

**North Carolina State University**, Raleigh, NC August '03 – May '04

- Key Courses (taken while in HS): Calculus III, Applied Differential Equations I

**William G. Enloe High School**, Raleigh, NC August '00 – May '04

- GPA: Weighted – 5.25 / 4.0 Unweighted – 4.0 / 4.0
- Key Courses: AP Computer Science, AP Physics C

**Awards & Skills**

Pratt School of Engineering Dean's List (Spring 2005, Fall 2005)  
*Languages:* Java, C++, C, Perl, Matlab, Maple, Pascal  
*Software:* Eclipse, Dev C++, Emacs, LaTeX, Matlab, Maple 9.5, MS Office  
*Platforms:* Windows (all versions), Linux

**ACM International Collegiate Programming Contest**

- 2005 Mid-Atlantic Regional: Member of three-person team – 17<sup>th</sup> place

**Projects**

**Sparse Multinomial Logistic Regression (SMLR)**  
<http://www.cs.duke.edu/~amink/software/smlr/>

- Worked on a two-person team under the supervision of Alexander Hartemink to develop software for a machine learning algorithm. Designed a user-friendly interface as well as optimization of the algorithm. Software released in November 2005.
- Used our software to analyze various data sets related to bioinformatics

**Object-Oriented Game Architecture (OOGA)**  
<http://matt.dorm.duke.edu/ooga/>

- Worked on a four-person team to develop an object oriented game architecture as a final project. The architecture included grid-based, single or multiplayer games.
- Implemented networking capabilities, XML specifications, and artificial intelligence

**Work Experience**

**Department of Computer Science at Duke University**, Durham, NC  
*Summer Research Assistant* May '05 – July '05

- 10-week summer program under the supervision of Alexander Hartemink
- Worked on a team to develop SMLR software

*Work-Study* July '05 – Present

- Continued development on the SMLR software under Alexander Hartemink
- Used SMLR software to analyze binding site trends in muscle founder cells

**Duke University Medical Center**, Durham, NC October '04 – May '05  
*Office Clerk*

- Perform general office tasks for the Department of Neonatology; 10 hrs/week

**Park Place 16 Cinemas**, Morrisville, NC July '03 – August '04  
*Shift Leader*

- Supervise employees, customer service; 15-30 hrs/week

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