

# Anthony Marley

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Contact Information Available Upon Request

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## Objective:

I am a computer science student who is seeking to secure a position that will allow me to learn from my work and expand my capabilities. I worked for nearly a year as a computer programming intern. I have experience working with C++, Java, Visual Basic and Oracle SQL 9i. I've covered topics including computer organization and basic processor design, object oriented programming, data structures, time complexity analysis, computational theory, principles of operating systems, computer security, structure and theory of databases and software engineering. I'm currently learning multicore programming, the analysis of algorithms and getting an overview in lower level programming languages such as Scheme.

## Education:

High School: Atlantic Technical Center Magnet High School.  
Graduation: May 22, 2006 with Certificate in Information Technology Studies

Current: Senior at Florida State University. Pursuing Bachelor of Science in  
Computer Science with a minor in Mathematics. Current GPA: 3.42

## Math Knowledge:

- Discrete Mathematics
- Calculus I, II and III

## Computer Experience:

- Computer organization concepts and practices, including pipelining, hazard detection and branch prediction
  - Created pipelined simulator for assembly code in C++
- Experience working and writing software in Unix Environment
- Basic Knowledge of assembly language programming in MIPS
- Operating systems concepts including concurrency, memory protection and device management
  - Using C: Created a system shell, implemented system calls to simulator multiple elevators running concurrently, FAT32 file system
- Database Theory and Manipulation
  - E-R diagram, normalization, B+ Trees. Created online bookstore using JSP and mySQL.
- Advanced programming concepts with data structures and time complexity analysis
  - Created connect-four using a min-max tree for AI in C++
- Mobile applications programming using java and the android operating system
  - Applications: Mobile Stumbleupon, predator alert - application to locate sexual predators in the area, word association program for autistic children.

**Programming Languages:**

- C
- C++
- Java
- Oracle SQL 9i and MySQL
- Visual Basic and VisualBasic .net
- Scripting in html, xml, javascript and jsp.

**Other:**

- Intermediate proficiency in Japanese Language (5 semesters)

**Work Experience:****Business Programming Intern****Penn Dutch Food Center, Sept. 2005- Aug. 2006**

- Assisted in the creation of system for logging maintenance equipment and parts to easily generate work orders. This would cut down on the time and effort required to get a piece of equipment repaired and automatically generate a work order for routine maintenance. This was done using SQL and Visual Basic

**Current Organizations:**

- Association for Computer Machinery

**Past Organizations:**

- Business Professionals of America – Emphasis on efficient procedure in business practices
- Mu Alpha Theta – Math Honor Society
- Japanese Student Association

**Interests:**

- Computer Security
- Networking
- Computer Software Systems
- Mobile Applications Programming