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# Jason Mirra (U.S. Citizen)

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## **Objective**

To obtain an internship that is challenging and involves interesting aspects of computer science.

## **Education**

**Carnegie Mellon University** Pittsburgh, PA  
Bachelor of Computer Science

MAY 2011

## **Computer Skills**

- Languages- Java, MySQL, C, C++, C#, ASP.NET, SML
- Software- Eclipse, SVN/CVS, VM (VMware, VirtualBox), Windows, Linux

## **Coursework**

Foundations of Software Engineering

Effective Programming in C & Unix

Calculus in Three Dimensions

Introduction to Computer Systems

Great Theoretical Ideas of Computer Science

Computer Networks

Advanced Mobile Robot Development

Designing Human Centered Software

## **Project Experience:**

- **Lead Developer of “DragonWars”** Fall 2008 - Present
  - Contracted to develop an online turn-based strategy game according to a design document provided by a group of angel investors. DragonWars is currently in its Alpha stage and has over 200 players so far. (~16k lines of code)
  - Experience/Skills: Dealing with clients’ needs, MySQL, Networking, Concurrency, SVN
- **Open Source Development**
  - Developed two open-source tools:
  - **Jexus**- a library that wraps around the Java sockets API allowing for even beginner programmers to create servers which are both TCP and UDP capable.
  - **Jink**- a GUI application which allows for software engineers to plan out their software models in a UML-like fashion.
- **Project Manager of “Search for Celestia”** September 2006 – October 2007
  - Online real-time strategy game for up to 8 players.
  - Started by myself, but quickly grew to include composers, graphic artists, tools programmers, and designers: many from the GameDev.net community. (~40k lines of code)
  - Experience/Skills: Project Management, Networking, Concurrency, OO design

## **Job Experience:**

- **Programming Internship at ProfSoft Inc.** Summer 2008
  - Created an administrative suite for ProfSoft clients and support.
  - Experience/Skills: Real development cycle, MySQL, C#, ASP.NET
- **Taught the Advanced Programming section of Andrew’s Leap** Summer 2007
  - Instructed students of this Carnegie Mellon Summer program on how to program graphical Java applications which worked over the network.

## **Groups/Awards**

- Alpha Epsilon Pi
- Ford Motor Company Research Award
  - For Assistive Automotive Intelligence Technology (AAIT) during the Mobot competition.

## **My Portfolio Website – [www.jasonmirra.com](http://www.jasonmirra.com)**

- Try out projects from my website—source code available upon request.