

Michael Bader
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OBJECTIVE

To develop my programming skills and get experience in the industry by obtaining an internship during May through August 2012.

SKILLS

- Programming Languages: Python, Java, C++, C, C#
- Scripting/Web related languages: HTML, CSS, Flash, XML, Javascript
- Environments: Windows, Linux

EXPERIENCE

Coursework

University of Michigan

- *EECS 281: Data Structures and Algorithms*
- *EECS 398: Introduction to Computer Security*
Covering security based topics such as encryption, SQL injections, XSS, DDOS, IP spoofing, Buffer overflows.
- *EECS 482: Introduction to Operating Systems*
Covering topics regarding multi-threading, memory management, client-server systems, and file systems and projects in C++ implementing them.
- *EECS 481: Software Engineering (currently taking)*
- *EECS 441: Mobile App Development for Entrepreneurs (currently taking)*
- *EECS 493: User Interface Development (currently taking)*

Projects

- <http://www.newizoom.appspot.com/> - Hardware Retailer comparison tool that compared products on different websites by parsing the HTML to get the product data and output its findings in HTML with CSS formatting. **Finished in Winter 2010.**
- Spirit Realm RPG – A 2D RPG under the direction of Wolverine Soft. Working on a team consisting of artists, musicians, programmers, and game designers. The game is implemented using Microsoft's XNA game engine. **In progress, started Fall 2011.**
- Xchange – An Android app that allows the user to take a picture of loose change and the app will count the amount of change on the screen. Hope to aim it for both an educational and practical approach. **In progress, started Winter 2012.**
- Recess – Working with other students in EECS 481 to develop a platform developed on the XNA gaming engine to facilitate the creation and distribution of a variety of Kinect games targeted to children who have Autism Spectrum Disorder. **In progress, started Winter 2012.**

Miscellaneous

- Linux Router/Firewall – Assembled from a 6 year old computer. Runs the Linux distribution Arch Linux. Firewall implemented using Shorewall, a frontend for iptables. Also runs Squid Web proxy which has virus scanning capabilities with HAVP and ad blocking capabilities using adzapper. Wireless capabilities through a wireless adapter in master mode using hostapd.

Organizations

- University of Michigan Japanese Animation Film Society: 2010 – Present
- Wolverine Soft: 2011 – Present
- CSE Scholars: 2011 – Present

EDUCATION

University of Michigan, Ann Arbor, MI 48109
8/09 (Started) – 12/12 (Expected graduation date)
Major: Computer Science
GPA: 3.16