**Jacob A. Leach**

**Education**

**Marist College**, Poughkeepsie NY **GPA**: 3.79; **Major GPA**: 3.93

Bachelor of Science expected May 2015 Dean’s List: Fall 2011, Spring / Fall 2012

Major in Computer Science Hudson Valley Scholarship Recipient

**Personal Projects** *github.com/JacobLeach/*

**Chat Message Handler**

* A framework to allow for the simple addition of text chat commands and services (such as logging) into a client or server. Developed in Java.

**Geometric Fractal Creator**

* A graphical program, implemented with MVP, to create and edit geometric fractals made up of squares, the color of which determines its rule for iteration. Developed in Java.

**Maze Generator**

* Implemented a depth-first search maze generator which allowed for various optional customizations of the maze during each step of the algorithm. Used to develop a very basic Minecraft server plugin to generate various sized mazes. Developed in Java.

**Skills**

Java, Eclipse, Git, Windows XP/Vista/7, Exposed to: C++, JavaScript, JUnit, VirtualBox

**Work Experience**

**Volunteer Senior Forum Manager**

*Sythe AG* (February 2009 – June 2010, September 2011 – Present)

* Developed Google Chrome extension in JavaScript to automate repetitive tasks involved with handling reports
* Assist in the management of a 300,000+ member virtual goods market forum on a volunteer moderation and administration team consisting of 25+ members, 12-26 years old from 5 countries
* Responsible for general moderation, oversight and training of junior team members, arbitrating monetary disputes, resolving member dissatisfaction, and discussing issues to reach consensus within the team
* Conceive, develop, and implement community and forum development strategies

**Maintenance**

*The Southlands Foundation* (June 2010 – Present)

* Prioritize and complete maintenance of buildings, grounds, and equipment of a 200+ acre equine facility
* Assist in the planning and direct the setup of facility resources for horse shows and other events
* Complete various stable management tasks on a daily basis

**Relevant Coursework**

Computer Science I & II, Assembly Programming, OOP in C++, Language Study (In progress), Intro Z/OS (In progress), Calculus II, Discrete Math