

Aaron Neyer

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Education

- 2007–2011 **Talawanda High School.**
2011–2015 **Case Western Reserve University, Computer Science.**

Employment Experience

- 05/2012–
02/2013 **Software Development Intern, MIM Software.**
◦ Maintained and developed new features for the companies internal Ruby on Rails website.
◦ Lead the upgrade process from Rails 2 to Rails 3.
- 01/2013–
05/2013 **Software Developer, Case Western Reserve.**
◦ Worked with Aron Lindberg, a PhD student at the Weatherhead School of Management doing social network analysis research on Github repositories.
◦ Developed a tool in Ruby that generated a graph of the network in some large repositories.
- 05/2013–
08/2013 **Software Engineer Intern, Causes.**
◦ Worked on the Causes.com website, doing frontend and backend Rails development.
◦ Worked on data processing and visualization to help Causes organizers view information about their supporters.
- 09/2013–
12/2013 **EECS 132 TA, Case Western Reserve.**
◦ Lead labs and grade assignments for EECS 132 Intro to Java

Activities

- HacSoc Hacker Society, a group of Computer Science students who gather for a tech talk every week. I'm an active member, speaker, and organizer of the group.
- ACM Served as conference organizer, server admin and President for ACM at Case. Also helped to run our first Hackathon, HackCWRU.
- HvZ Served as website developer and Vice-President of Big Games Club and Humans vs Zombies.

Skills

- Primary Ruby (Rails), Javascript, Shell, SQL, HTML/CSS
Other Python, Java, Scala, Go, L^AT_EX, Angular, Meteor
Tools vim, git, tmux, zsh, Linux/Unix

Personal Projects

Limelight.

<http://limelight-stream.com>. We reverse engineered the NVIDIA GameStream protocol and implemented clients for Android, OSX, Linux and Windows. We also discovered various security vulnerabilities with the GameStream protocol that allowed remote access to machines running the software.

Sandwich.

A distributed file sharing system written in Go. I wrote a significant amount of the Go client code as well as all of the front end Javascript code, using AngularJS.

Network Scanner.

A command line tool I wrote in Ruby that allows scanning of networks for open ports, pingable machines, and for retrieving hostnames of the machines. This has been used with other projects as a way to find more information about machines on the network.

Intern Mapper.

A website made to allow interns in the Bay Area to plot themselves and be able to find other nearby interns.

Pokemon IRC Bot.

An IRC bot for playing pokemon games built in Ruby using the cinchrb irc framework.

And more.

All of my projects, including the ones listed above are on my Github, so check that out to see more of my work.