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Objective

- Obtain a cooperative study for a minimum of 3 months
- A position of Software Engineer or equivalent
- To research, design, and implement solutions for real world problems

Education

- **Rochester Institute of Technology - New York** rit.edu
  Undergraduate Computer Science Student Aug. 2011 - Present
  - Expected Graduation Date: June 2016
  - Core Courses:
    - Computer Organization
    - Computer Science[1-4]
    - Intelligent Security Systems
    - Concepts of Parallel & Distributed Systems
    - Data Communications

Skills

- Languages: Assembly (MIPS), C, GoLang, Java, Python
- Tools: Emacs, Git, LaTex, Subversion, Vi/Vim, Docker
- Concepts: Parallel & Distributed Systems, Systems Programming, Intelligent Systems

Professional Experience

- **Ntid** ntid.rit.edu
  Backend Software Enginer June 2014 - Current
  - Developed a web application for use by over 300 interpreters to track and manager their activities
  - Designed and implemented RESTFul API in python.
  - Developed a API in python using api best practices
- **Exablox** exablox.com
  Continious Integration Intern June 2013 - January 2014
  - Worked developing internal developer resource and continuous integration systems
  - Designed and implemented a system to manage and test data
  - Developed a Buildbot and ReviewBoard collaboration plugin in python
- **Computer Science House** csh.rit.edu
  Amature Systems Administrator Active Member
  - Yearly technical Major Project

Online Presence

LinkedIn: www.linkedin.com/in/rlguarino/
Githhub: github.com/rlguarino
Blog: rlguarino.com
Twitter: twitter.com/rlguarino

Projects

Available on github.com/rlguarino.

- **Intelligent Scan Detection** GoLang, Python
  - An intelligent securety system designed to detect and respond to port scans.
  - Uses a nural network to classify traffic data as potential scans in real time.
  - Generated realistic traffic data using a process of categorizing traffic characteristics and composing fake traffic on demand.
- **Unitracker** GoLang
  - A continious integration unit test tracking system built with go.
  - Designed to be used as part of a buildbot system the Unitracker will track and display the outcome of unit tests in a easy to understand manner.
- **Taskboard** GoLang
  - A web application designed to interface withComputer Science House systems to privide a way for members to pay each other co complete tasks using a special currency.
- **PyShare** Python
  - A peer-to-peer file sharing program
  - Implemented my own Diffie Hellman encription to secure the traffic
- **Smart Vending Machine System** Java
  - A smart vending machine system group project for a Software Engineering class.
  - Networked vending machine systems with an inventory management system and real time system monitoring