

CONTACT INFORMATION	Joel Friedly 90 Almedral Ave Atherton, CA 94027	Mobile: +1-419-974-1337 E-mail: joel.friedly@gmail.com GitHub: https://github.com/jfriedly
OBJECTIVE	A summer internship in an experimental physics lab that is willing to train someone who has no research experience.	
ABILITIES	<ul style="list-style-type: none">• Competent programmer in Java and Python, and some familiarity with C and C++.• Responsible operator trusted to "figure out what's wrong and fix it" in production at both of my last two companies.• Understand concepts of distributed consensus, cluster scheduling, data flow analysis, query optimization, and principles of API planning.• Eager to learn: have recently been learning architectural principles of a distributed storage system. In the past, graduated valedictorian from high school, graduated college in three years, and wrote an implementation of Lisp as a learning project.• Can speak to customers, build rapport, and write user-facing documentation.	
EXPERIENCE	<ul style="list-style-type: none">• Have been the senior on-call engineer for a 300-server object store.• Have worked on both data plane and control plane infrastructure services.• Have developed software throughout the stack: machine image creation, PXE booting, custom initramfs, Upstart jobs, database management, RESTful infrastructure services, and standard website development.• Experience with running both Ubuntu and CentOS on servers, and some familiarity with several other distributions.• Experience with deploying, maintaining, and using OpenStack.	
EDUCATION	Ohio State University , Columbus, Ohio	September 2010 - May 2013
	<ul style="list-style-type: none">• Earned a BS in Computer Science and Engineering in three school years.• Led a senior project that built a Transcription Factor Target Search, a website offering search and statistical analysis across a database of known transcription factors.• Built an autonomous "farming" robot for a competition starting with only a controller board and battery. Share responsibility for the software and hardware design, including programming motor control, soldering together sensors, and iterating on the PVC chassis.	
EMPLOYMENT HISTORY	Have grown from being an intern web developer into a senior service author with significant operational responsibility.	
	Oracle Corporation. , Santa Clara, CA	May 2015 - present
	Senior, Principal Member of the Technical Staff on the Object Storage team <ul style="list-style-type: none">• Original author of the web server frontend and perennial contributor later as the team expanded.• Solely responsible for the feature set currently bringing in the majority of the service's revenue, Oracle DB backups to Swift. Implemented the Swift API, taught myself how to use RMAN, thoroughly tested integration, and wrote the original documentation.	

- Responsible for metrics collection, display, and alarming.

Nebula, Inc., Seattle, WA and Mountain View, CA

June 2012 - April 2015

Intern, Contractor, Software Engineer on the Orchestration team

- Architected and implemented a secure log collection tool.
- Contributed to product virtualization tools that greatly increased productivity by shortening the debug cycle.
- Contributed to various orchestration control plane features including live upgrade support, bare-metal and **LXC** container provisioning, **VIP** allocation, and storage metering.
- Maintained projects such as disk management, LDAP compatibility, automated integration tests, and image build tools.
- Traveled to customer's offices many times for debugging and optimization work.

Kelly Creative Tech, Inc., Columbus, OH

June 2011 - September 2011

- Maintained existing Django-based websites and built one website.

REFERENCES

Available upon request.