## Successfully Finding a Job Outside Academia



Michael Pavel "lame duck" IGRINS Postdoc


## Where exactly am I going next?



FFRDC - Federally Funded Research and Development Center


## What will I be doing?


-Someone in the FAA or Air Force comes up with a question
-A group of people with various technical backgrounds answer that question
-Combine modeling with data to create understanding



## Why Hire an Astronomer?



Data



## Why Hire an Astronomer?



## Astronomical Employment Outlook



Do I want to wager the next 6-10 years of my life on a 50/50 shot at a permanent position?

## Astronomical Employment Outlook



Late in grad school I developed a plan...

1. If an academic job (somehow) fell into my lap...
2. If I thought I was on track for a Nobel prize, I'd keep going
3. Most likely, I needed to build desirable employment skills

## My Employability Plan



## My Employability Plan



## My Employability Plan



## How did I get the job?



Large Established Organizations<br>-Stability<br>-Branding<br>-Internal Mobility (vertical and horizontal)

When I felt my skills were honed I began to look for jobs.

Only jobs that I thought I would enjoy for 5+ years.

## GENERAL DYNAMICS <br> NATIONAL INSTRUMENTS

No Shotgun Approach!
Raytheon

## How did I get the job?



Friends on the inside...
-Their jobs
-Work environment
-Hiring process

## Dglassdoor.com

## How did I get the job?

-Electronic Application
-Understand the job description
-Be aware of automated systems
-Use buzzwords in your application
-One month later: email contact
-Two months: On-site interview (4-5 hours)
-HR contact
-Direct Supervisor
-45 minute seminar
-4 individual meetings with colleagues -HR again
-Have professional business cards
-Thank you emails to everyone I met
-I contacted HR every two weeks to maintain communication

-Four months: employment offer

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## Astronomers have valuable skills!

- Basic Programming
- Developing Physics-driven Models
- Working with actual data
- Writing telescope/grant proposals
- Professional Communication
- Writing
- Public Speaking

(GenericMotivationalStockPhotos.com)


# Just for FunDoes Money Drive You? 



