

Welcome to **Data Sciences @ PSU!**

Presented by Nittany Data Labs

**What do you think of when you
hear these words...?**

Data Science
Artificial Intelligence
Machine Learning

Meet Some of the Execs

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Sean Parsons
Junior
Cybersecurity
President



Andrew Warner
Junior
Computer Engineering
Vice President



Billy Gault
Junior
Data Science
Treasurer



Nick Sonsini
Junior
Electrical Engineering
Communications

Some More of the Team



Scott Luttmann
Junior
IST
Events

Matt McGettigan
Junior
Economics
Merchandise



Morgan Sterling
Junior
Data Science
Outreach



Data Science @ Penn State

Training Program - Overview

- Group Projects
 - Populate your GitHub
 - Full Stack Applications
 - Communication of Analytics
- Corporate Led Events
 - Information sessions
 - Discussions of Data Science and Industry
 - Sponsored Projects
- Capstone's
 - Build Applications
 - Deploy Models
 - Something to show for!

GitHub

In case of fire



1. git commit



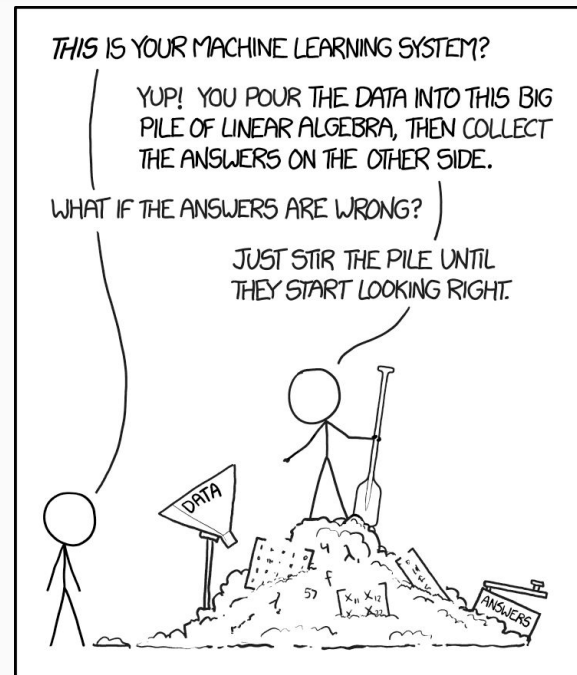
2. git push



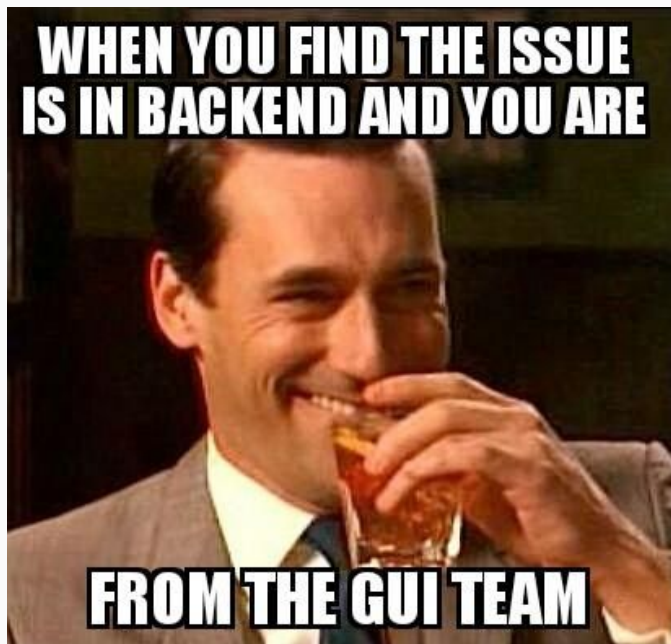
3. leave building

Training Program - Machine Learning

- Theories of Machine Learning
 - Foundations of regression and classification models
 - Mathematics that fuel the progression of modern analytics
- Exploration of Models and Architectures
 - Deep Learning Architectures
 - Classification models and Decision Trees
 - Computer Vision tasks
- Utilization of APIs
 - Dataflow and preprocessing techniques
 - Training scheduling and model storage
 - Deployment and implementation



Training Program - Full Stack



- Server-side development
 - HTTP server
 - Python ML integration
 - UNIX environments
- Database deployment
 - SQL
 - No-SQL
 - Machine Learning integration
- Data visualization
 - D3.js
 - Product design
 - UX/UI

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- The Premier Data Science Club at Penn State University
- Training program to prepare our members for a multitude of analytical problems
- Work with professors & professionals on real-world Data Science projects



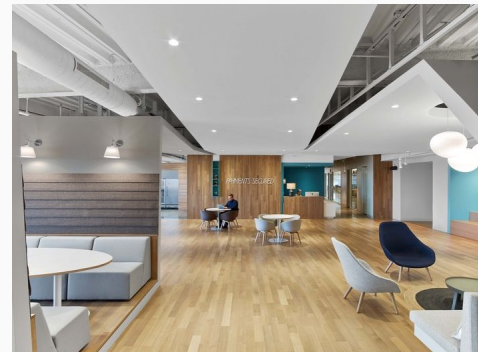
Corporate Projects

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Corporate Projects - Continued

- Slack Chatbot for Disney in the voice & style of Simba
- Document process automation resulting the savings of thousands of dollars
- Social Media Optimization Dashboard
- Exposure to executives of companies!



Our corporate network

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First Data™



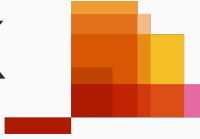
BOEING

BOSE®
Better sound through research®

jet

Disney

BLACKROCK

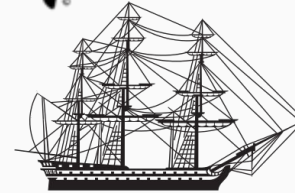


IBM

Nestlé



LOCKHEED MARTIN



pwc

Vanguard®

Deloitte.

MBS
Beautifully Bad



Microsoft

3M

**Goldman
Sachs**

MAA-McGettigan Appraisal Associates

Commercial & Residential Real Estate Appraisers

Stay tuned for more information
regarding returning members...

Next Meetings!

First Content Meeting this Sunday 9/2 at 7pm in W201!

**Next Content Meeting and Anthem workshop on 9/9 in
same room!**

Questions?

Email us at
poweredbydata@gmail.com