Plinio Guzman

http://plinioguzman.com

pgzmn@icloud.com | 631.428.6787

EDUCATION

DATA CAMP / UDACITY
Data Science
2016

STONY BROOK UNIVERSITY
BE/MS Mechanical Engineering
2015 | Stony Brook, NY

PROFILE

Github: **mindatasleep**
LinkedIn: **plinioguzman**
Instagram: **pgzmnk**
Coaching: **SmoothPeaks**

SKILLS

PROGRAMMING
Python 3.6+ • Sklearn Pipelines • git
PostGIS • QGIS • PostgreSQL 9.5+
Docker • docker-compose • Flask
Google Cloud • CircleCI • LaTeX

LANGUAGES
English • Spanish

EXPERIENCE

LOTIC LABS | Data Science Lead
2017 – Present | Chicago, IL
- Steer engagement with Latin America Water Fund team of The Nature Conservancy.
- Develop internal tools to aggregate and visualize environment and finance data.
- Statistical analysis and PCA on queries of multidisciplinary datasets.
- Team Health Coach at 2018 Techstars Sustainability Accelerator in Denver.

CINVESTAV / GRUPO T | Water Engineer
2017 - 2018 | Mexico
- Website Administrator.
- Evaluate capacitive deionization to reduce sodium from water.
- Research water issues of Mexico in the energy, waste, and agriculture nexus.
- Document research and politics of water in Cuatro Cienegas, Coahuila.

SINGULARITY UNIVERSITY | Global Solutions Program
2016 | Mountain View, CA
- Customer Discovery in Basepaws (biotech) at SU Labs Launchpad accelerator.
- Study the pace of technology and society, and leverage points on the world's grand challenges.
- Head team projects in cohort of 79 students from 41 different countries.

TURKANA BASIN INSTITUTE | Water Engineer
2015 - 2016 | Ileret, Kenya
- Prototype Membrane Distillation unit to desalinate borehole water.
- Design automated Data Acquisition system.

JUICE + | Co-founder & CEO
2015 - 2016 | Stony Brook, NY
- Spearhead a multidisciplinary team in startup competitions.
- Prototype a linear induction energy generator for off-grid.

PUBLICATIONS

STONY BROOK UNIVERSITY | Engineering Department
- *"Piezoelectric stack energy harvesting with a force amplification frame: modeling and experiment"* Journal of Intelligent Material Systems and Structures. 2016 (coauthor)
- *"Electrospun polystyrene nanofibrous membranes for direct contact membrane distillation"* Journal of Membrane Science. 2016 (coauthor)
- *"Design, Modeling and Experimental Testing of an Amplified Doormat-Like Footstep Energy Harvester."* ASME Smart Materials, Adaptive Structures and Intelligent Systems. 2014