

Lewis Guignard

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SKILLS

GENERAL

Leadership / Development
Estimation / Inference
Training / Presentations
Micro-service Architectures / DevOps
Test Driven / Agile Development
Technical Sales

PROGRAMMING / DEVOPS

Proficient:

- Python • MySQL
- Amazon AWS • Linux (debian/bash/zsh)
- hkl • git • gitlab • jira

Competent:

- R • .html/css/js • Matlab • \LaTeX • Java • C++

EDUCATION

STANFORD UNIVERSITY

MS ELECTRICAL ENGINEERING

Signal Processing, Data Science
June 2016 | Stanford, CA
Cum. GPA: 3.7

NCSU

NORTH CAROLINA STATE UNIVERSITY

BS PHYSICS

2008-2011 | Raleigh, NC
Cum. GPA: 4.0
Valedictorian

COURSEWORK

GRADUATE

Machine Learning
Convex Optimization
Signal Processing
Fourier Analysis
Linear Algebra

UNDERGRADUATE

Solid State Physics
Modeling / Simulation

INTERESTS

3D Printing | Raspberry Pi | Radio (KM4JQU) | Visualization | Cycling | Photography | Backpacking | T4R

SUMMARY

A highly organized, creative data science leader with over 6 years of experience building high impact data science teams. Adept at making complex ideas intuitive and understandable. Proficiency in full data science pipeline: researching and purchasing purchasing data sources, ETL, model creation and validation, managing and deploying a stable production code-base, delivering insights to leadership team, client base and industry. Excels in developing and integrating teams of varying experience and interests.

EXPERIENCE

CYBERCUBE SNR. MANAGER, DATA SCIENCE

Jan 2020 - Current | SF, CA

Build and mature the data science team and as well as its roles and responsibilities • Expand and evangelize data science usage within the company, to engineering, GTM, sales, leadership. • Manage estimation projects • Represent analytics side of company to the industry

CORAX CYBER HEAD OF DATA SCIENCE

Mar 2016 - Jan 2020 | SF, CA

Risk modeling for frequency and severity of cyber breach and business interruption events • Lead a team of data scientists • Manage estimation projects • Technical sales and speaking • Seek out, negotiate, and ingest new data-sources • Manage 100M daily record ingestion and analysis

UNDERWRITERS LABORATORIES ENGINEER

Oct 2011 - Aug 2014 | Durham, NC

Critiqued and built test plans for LED Luminaires, modules and power supplies for compliance to relevant UL or IEC international standards.

HELMHOLTZ ZENTRUM BERLIN VISITING SCIENTIST

Jun 2011 - Sep 2011 | Berlin, Germany

Experiments in photo-electrochemical systems, semiconductor-electrolyte interfaces and nanoemitters.

PATENTS | PUBLICATIONS | AWARDS

- **Patents:** US20180069889A1 US20180124092A1
- **B. A. Collins, E. Gann, X. He, L. Guignard, C. R. McNeill, H. Ade. Molecular Miscibility of Polymer** – Fullerene Blends. The Journal of Physical Chemistry Letters 0, 3160-3166
- **Speaker:** American Physical Society Meeting 2010 / Net Diligence Santa Monica, CA 2018 / Catastrophe Risk London 2019 / Foresight 2020

RESEARCH

NORTH CAROLINA STATE UNIVERSITY | RESEARCHER

Oct 2008 - Jun 2011 | Raleigh, NC

Investigated organic photo-voltaic system dynamics, focusing on efficiency, morphology, material properties.