

# Michael Czerny

## Data Scientist in Cybersecurity

Alexandria, VA - Email me on Indeed: [indeed.com/r/Michael-Czerny/6ad616adf1750390](https://www.indeed.com/r/Michael-Czerny/6ad616adf1750390)

### WORK EXPERIENCE

#### Data Scientist

Cybraics - Arlington, VA - January 2016 to Present

Develop algorithms to uncover anomalies and threats in multi-TB cyber security data using statistical and machine learning techniques on a distributed computing architecture (Spark/Hadoop).

- Work in a team environment with cybersecurity SMEs to brainstorm algorithms and development team to implement them.

#### Data Scientist

L-3 Data Tactics - McLean, VA - September 2014 to January 2016

Developed supervised algorithm to improve strategic pursuits and bottom line of the company.

Presented results to senior staff and worked to implement model into SME workflow.

- Developed novel techniques and applied cutting-edge methods from unrelated fields to anomaly detection and intrusion detection for scalable cyber defense applications.

#### Data Scientist

Predikt - Remote - June 2014 to September 2014

Created an algorithm to match resumes to a target job description using text analysis and Natural Language Processing for pre-IPO startup.

### EDUCATION

#### Master of Science in Particle Physics and Cosmology

Tohoku University / 東北大学 - Sendai, Japan

2012 to 2014

#### BS in Physics

Purdue University - West Lafayette, IN

2008 to 2012

### SKILLS

Python, R, Machine Learning, Spark, Data Analysis, Statistical Modeling, SQL, Hive, Hadoop, MapReduce, Japanese (4 years)