

Eric Whyne

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Interests

- Applied distributed computing
- Scalable architectures and autonomies
- Data analysis, experiments, and visualization

Experience

Founder, Data Machines - 2016 to Present

- <http://datamachines.io>
- Full stack big data science for DARPA research

Data Scientist, Qntfy - 2016 to Present

- Social media at scale, streaming and batch
- Collaborative software development
- Exploratory data analysis, natural language processing

Author - 2005 to Present

- Computer Security Handbook 5th Edition published by Wiley
- Computer Security Handbook 6th Edition published by Wiley

Technical Program Manager, Data Tactics Corporation, 2012 - 2015

- Full stack data research cloud engineering; design, build, and manage data research clouds for the Defense Advanced Research Projects Agency (DARPA) which serve 600+ research users
- Designed, developed, and deployed the DARPA Open Catalog <http://opencatalog.darpa.mil/> 1M+ visitors per month
- Integrate and optimize distributed data analysis code and tools

Research Engineer, ITT - 2010 to 2012

- Improvised explosive device research, data analysis
- Data engineering and application development
- Managed 88 person Systems Integration Lab

Research Engineer, Penn State University Applied Research Labs - 2008 to 2010

- Stereoscopic immersive virtual environments
- Distributed data processing
- Data engineering and visualization

United States Marine Corps Officer, Captain - 1999 to 2008

- Data Communications and Electronic Warfare Officer
- Communications Staff Officer for USMC's Anti-Terrorism Unit
- Decorated for valor in combat (Navy Commendation Medal with V)
- Combat advisor to Iraqi Army

Education

University of California, Berkeley - 2014 to present

- Currently enrolled in the Masters of Information and Data Science program

Norwich University - 2000 to 2004

- B.S. Computer Science
- Minors in Math, Engineering, and Information Assurance

Project Management Professional (PMP) Certified

Skills

- Linux command line, communicating sequential processes, coreutils, Python, Bash, Javascript
- Cloud configuration, Ansible, Pssh, OpenStack, containers, virtualization
- Distributed computing, Hadoop, Spark, stream processing, Storm, Spark Streaming, Kafka
- AWS API, Softlayer API, public clouds, scalable systems, HAProxy, ELB, autonomies
- Data center colocation, power, cooling, networking, full stack hardware private data clouds
- Cryptography, computer security, vulnerability analysis and remediation
- Exploratory and confirmatory data analysis, applied machine learning, feature engineering
- R and statistics (regression, anova, correlation, tests), experimental design and causation
- Technical management and planning

Links

- <http://github.com/ericwhyne/>
 - A sample of projects and code I've worked on
- <https://www.linkedin.com/in/eric-whyne-92b7326>
 - Public recommendations are available here
- <https://twitter.com/ericwhyne>