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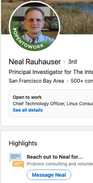

Neal Rauhauser · 3rd
Principal Investigator for The Internet
San Francisco Bay Area · 500+ connections · Contact info

Message

Social Media Intelligence Unit
Iowa State University

Open to work
Chief Technology Officer, Linux Consultant and Intelligence Officer roles
See all details

## Highlights

Reach out to Neal for...
Technology consulting and volunteering.

Message Neal

## About

R&D oriented CTO with a track record in internet service providers, voice carriers, hosting, and sense-making efforts. Lately: OSINT infrastructure & investigations.

## Activity

1,747 followers

This is exciting, but it's going to take a long time to filter down to the level...
Neal shared this
4 Reactions

This is enticing, but amazingly frustrating. The Anaconda install...
Neal commented

That would have been perfectly tasteful if she had a hand supporting the flag,...
Neal commented

Those are not protesters, that's a militia. Call it what it is, first step to...
Neal commented

See all activity

## Experience

**Team Member**
Social Media Intelligence Unit · Part-time
Jan 2019 – Present · 2 yrs
Munich, Bavaria, Germany

SMU has a few publicly known team members and a sprawling network of silent associates. My duties here vary widely, but overall are summarized as "analysis of geopolitical threats involving disinformation".

I operate a half dozen Linux hosts that provide Elasticsearch, Atlassian tools, and we've begun implementing ArangoDB for large scale social network analysis. I examine infrastructure using Maltego and RiskIQ. I spot and assess talent, I cross train and mentor, the usual things one does in an R&D oriented CTO role.

We published our first branded study in July of 2020.
see less

Society Burning: Tactical Assessment

**Principal Investigator**
The Internet
Dec 2012 – Present · 8 yrs 1 mo
Greater Los Angeles Area

This is a self-appointed role that covers the broad range of R&D work I do. I have been involved in telecom startups since the late nineties and I became a freelance/startup only guy after becoming partially disabled due to Lyme disease in 2007.

My interests in the last decade have ranged broadly. The high points include:

2007-2009 - renewable ammonia production, won $100k USDA innovation grant, did design work for a plant in the Niagara Falls area.

2010 - 2011 - built Progressive Congress News, which eventually served daily policy intel to 25% of all Congressional staff, top five finalist in Knight Foundation News Challenge.

2009 - current - counter-terror/insurgency infrastructure & science, social network analysis, CASE type work, six different organizations.

2015 - current - intelligence analyst support expert witness, servicing both state and federal public defenders, as well as some civil litigation.

2015 - 2018 - ghost writing for a fintech startup that uses Bitcoin, sampling multiple innovative altcoin environments, looking for a long term commitment.

2016 - current - the Netwar System has been in operation in one form or another since 2013. The source code was released on Github in mid-2018. We released a census of every follower of every legislator in fourteen countries in early 2018. Ongoing monitoring covers that area with about sixty Twitter streams total.

If you examine my Coursera accomplishments you'll find I completed the Universiteit Leiden/University of Geneva's Challenges in Global Affairs specialization, which I started during the 2013/2014 cycle when I was working on international issues, primarily in the Muslim world. I tend to change topics every two years right after election time, a habit I picked up a decade ago.
see less

**Intelligence Analyst**
Nameless Detective Agency
Jan 2015 – Present · 5 yrs 7 mos
East Bakersfield

I use my skills in OSINT - open source intelligence - to gather data from social media and other sources for both civil and criminal cases, including computer crimes cases referred by the federal public defender's program. I also do infrastructure analysis similar to what a penetration tester would do.

Social media profiling and other searches are fairly obvious, the infrastructure work requires a bit of explanation. An exemplary case in this area involved an offshore investment firm facing a civil RICO action. There were many entities that had been involved in transactions, the case became much simpler when it was demonstrated that all of them were hosted on the same few IP addresses and used identical technology.

Roughly once a month I take a civil harassment case - a $50 Amazon card gets a client with a credible LinkedIn profile a call and me doing some digging. These have universally ended in a recommendation that they extract themselves as quickly and quietly as they can. I guess people feel better after hearing that from someone with as many battle scars as I have. These consultations include a complimentary explanation of how badly active measures can backfire.
see less

**Contributor**
TRAC - Terrorism Research & Analysis Consortium
Jun 2013 – Oct 2018 · 5 yrs 5 mos

I have been a contributor to TRAC on topics including cybermilitias, counter-insurgency with a focus on network analysis, and hard cybersecurity issues. Some notable projects include analyzing data from the Syrian Electronic Army, tracing activities and connections of British jihadi Junaid Hussain, and the development of the Netwar System, which TRAC employed to observe 29,000+ ISIS Twitter & Telegram accounts.
see less

**Opposition Researcher**
Nameless Off Hill Org
Jan 2011 – Nov 2012 · 1 yr 11 mos
Maryland

I spent much of 2011 and 2012 either in D.C. or in New York, except for the four months immediately prior to the 2012 general election, which I spent in the field.

This work overlapped my activities in 2010. During this time I participated in the successful removal of two House Democrats during primary season and the defense of one Democratic House seat during the general election. Two Senate Democratic primaries also felt my touch, as well as two Republican House members.

My duties during this time were a curious blend, everything from pulling financial reports on Capitol Hill to dodging NYPD on the streets of Manhattan while tracking the fast moving events of Occupy Wall Street. The more time that passes, the more I grow to appreciate what a privilege it was to live in lower Manhattan during the fall of 2011, politically this will be a chapter in the history books, like the Birmingham bus boycott or the 1968 Democratic convention.
see less

**Partner**
Progressive PST
Jun 2009 – Dec 2010 · 1 yr 7 mos
Maryland

Progressive PST was a political consulting operation that ran from mid 2009 through the 2010 election. We handled forty four House, Senate, and Gubernatorial races that cycle, all but a few of which were done as in kind donations. Our most notable wins were helping Connie Saltonstall to remove Jean Schauer in MI-01 during the primary season and protecting Congressman Grijalva's seat in AZ-07 for the general election.

During the run up to the 2010 general election we built Progressive Congress News, an all volunteer policy intel operation that has grown to serving about 25% of all Congressional staff.

I wrote for many of the campaigns, coordinated writing and other volunteer activities, and participated in candidate appearance preparation, what those in the election business refer to as "murder boards".
see less

**Cisco Certified Network & Design Professional**
Internet Service Providers
Jan 2000 – Jan 2009 · 9 yrs 1 mo
United States

I earned the Cisco Certified Network Professional in early 2000, the Cisco Certified Design Professional about six months later, and I maintained them through 2009.

During this time I worked for a couple of different resellers and consulted with a number of small to medium internet service providers and hosting operations. I no longer do this sort of work full time, but this is basic catalog of the types of things I did:

IP network administration & interior routing, primarily with OSPF and some redistribution of RIP

Exterior routing with BGP4 including transit AS work with geographically diverse exits

Point to point and multipoint microwave data networks in ISM and licensed bands

Fiber to the home and cable modem plant design & support

VoIP using MGCP and GR.303 trunks, some SIP/session border controller work

IP switching core design for voice carriers with up to 38,000 client devices

TDM circuits from fractional DS1 to STM1, T1 & PRI voice signaling

ATM/frame relay integration for DSL and long haul branch office voice/data networks

Unix infrastructure for ISPs - DNS, DHCP, logging, email, etc.

Network performance tuning using Manage Engine's NetFlow Analyzer

Outage monitoring and trouble isolation with Nagios
see less

Show fewer experiences

## Education

**Iowa State University**
Computer Science
1985 – 1991

## Licenses & certifications

Python Data Structures
Coursera Course Certificates
Issued Feb 2018 · No Expiration Date
Credential ID LSSA2R8N9S5Y

See credential

Challenges in Global Affairs Specialization
Coursera Course Certificates
Issued Dec 2015 · No Expiration Date
Credential ID QHBXKNXB7UAA

See credential

International Organizations Management
Coursera Verified Certificates
Issued Sep 2015 · No Expiration Date
Credential ID 4GYP5RJUKEC

See credential

Show more

## Volunteer experience

**Application Architect**
Progressive Congress
Jan 2010 – Dec 2010 · 11 mos
Politics

I developed Progressive Congress News, a grassroots run policy intel operation that currently provides daily updates to about a quarter of all Congressional staff.

## Skills & endorsements

**Data Analysis** · 60
Endorsed by jasmine opperman, who is highly skilled at this

**Data Mining** · 53
Eric Hensal, MPA and 52 connections have given endorsements for this skill

**Report Writing** · 52
Endorsed by jasmine opperman and 1 other who is highly skilled at this

Show more

## Recommendations

Received (0) | Given (1)

**Jennifer D'Alessandro**
Passionate about Marketing, Digital Marketing and teaching college students.
November 8, 2010, Neal worked with Jennifer but at different companies

Jennifer and I met when we were both named as codefendants in a frivolous lawsuit filed by a man named James McGibney. It took almost two years, but I scored a precedent setting 1st Amendment victory against him in the Texas court system. All that time Jennifer was either encouraging me when I was down, or holding me back from doing something I'd regret later. She's a good person to have in your corner when the chips are down.
See less

## Accomplishments

2 Honors & Awards
Finalist - News Challenge - $100k Innovation Grant Recipient

1 Language
English

1 Organization
International Network for Social Network Analysis

## Interests

InfoSec News
569 followers

The Internet
214 followers

Netwar Systems
9 members

ArangoDB
132 members

Whonix Anonymous Operating System
5 members

Military Cyber Professionals Association
5,722 followers

See all

People you may kn
Amira Elmoft
Fresh political
graduate
Asmaa Beshi
Child Rights Co
Hesham Ahm
Bachelor's deg
student, Facult
Youstina Min
An attendee at
Summit Alexan
Dr. Mustafa E
Economist | Int
Trade and Inves
Masha, learn what hire
look for in answers to
questions
Why should
Tell me about
you've accon
you are proud
Tell me about
had to persua
See all que
Your dream
job is closer
than you
think
See jobs