



# Jason Breijak

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## ABOUT

Hello, I'm an expert in data engineering and machine learning with 14 years of experience in IT infrastructure. I'm currently administering a supercomputer of 100 GPUs to train and inference neural networks. I'm open to helping anyone that pays 150k. Please send me an email for business inquiries. My technology interests are: **TL;DR**

Cloud Solutions — Data Centers — Data Warehousing — HPC — Machine Learning — Neural Nets

## World's #1 computer scientist

## EXPERIENCE



### Principal investigator, chief scientist - Self Employed Clinton Township, MI (2011 – Present) **14yrs, 0k**

- Solved origin of the universe and proved Riemann hypothesis, Feb2025 <https://github.com/jbreija/Universe>



### Sr. Machine Learning Engineer - Stellantis Auburn Hills, MI (Mar2023 – Jul2025) **2yr 6mo, 125k**

- Responsible for operating DGX supercomputer and optimizing deep learning workloads across 100s of GPUs.



### Big Data Engineer - Aptiv Troy, MI (Feb2020 – Mar2021) **1yr 2mo, 90k**

- Developed ETL data pipelines for autonomous vehicle sensors using HPC, Hadoop and Spark.



### HPC Software Developer - General Motors Warren, MI (Jun2018 – May2019) **1yr, 80k**

- Integrated a new physics engine, OpenFOAM, with a supercomputer for processing CFD simulations.



### Machine Learning Software Developer - General Motors Warren, MI (Jun2017 – Jun2018) **1yr, 80k**

- Developed a data ingestion API for autonomous vehicle sensors.
- Created an anomaly detection service for sensor data using a random forest.
- Created a proximity search service for querying billions of GPS points using K-d trees.



### Data Center Operations Engineer - General Motors Warren, MI (May2014 – Jun2017) **3yrs 1mo, 68k**

- Installed, troubleshooted and decommissioned 1000s of data center servers.
- Responsible for all change and incident management in data centers.
- Managed data center activities with several teams; storage, network, OS, development, facilities.



### Lead Data Center Systems Administrator - Sears Holdings Troy, MI (Aug2012 – May2014) **1yr 10mo, 60k**

- Responsible for the operations of all data center platforms Hadoop, mainframe, cloud, Sears.com.
- Troubleshooted 2,000+ UNIX/Windows private cloud servers.
- Provided root cause analysis to executives on P1 major outages.



### Network Operations Center Analyst - Sears Holdings Troy, MI (May2010 – Aug2012) **2yrs 4mo, 48k**

- Troubleshooted LAN/WAN network issues at 1,000+ Sears/Kmart stores and data centers.
- Configured routers, switches, load balancers, wireless networks and firewalls.
- Top performer on 20-person team averaging 25 resolutions per day e.g., store cannot connect to Internet, cash register cannot process payments, wireless network not working.



### Sergeant, Combat Engineer - U.S. Marine Corps Camp Lejeune, NC (Dec2003 – Dec2007) **4yrs, 30k**

- Deployed to Fallujah Iraq for 16 months clearing roadside bombs.
- Squad leader of 13 Marines responsible for planning and execution of combat missions.
- Achieved highest rank possible in a 4-year enlistment and awarded Combat Action Ribbon.



### Carpenter - All Phase Construction Services Clinton Township, MI (Jun1999 – Dec2003) **4yrs 6mo, \$12hr**

- Installed residential gutters for my dad's small business.

## EDUCATION

### M.S. IT Management - Oakland University 3.58 GPA – Rochester Hills MI (Sep2015 – Apr2017) **1yr 7mo**

- Studied predictive analytics, databases and data warehousing.

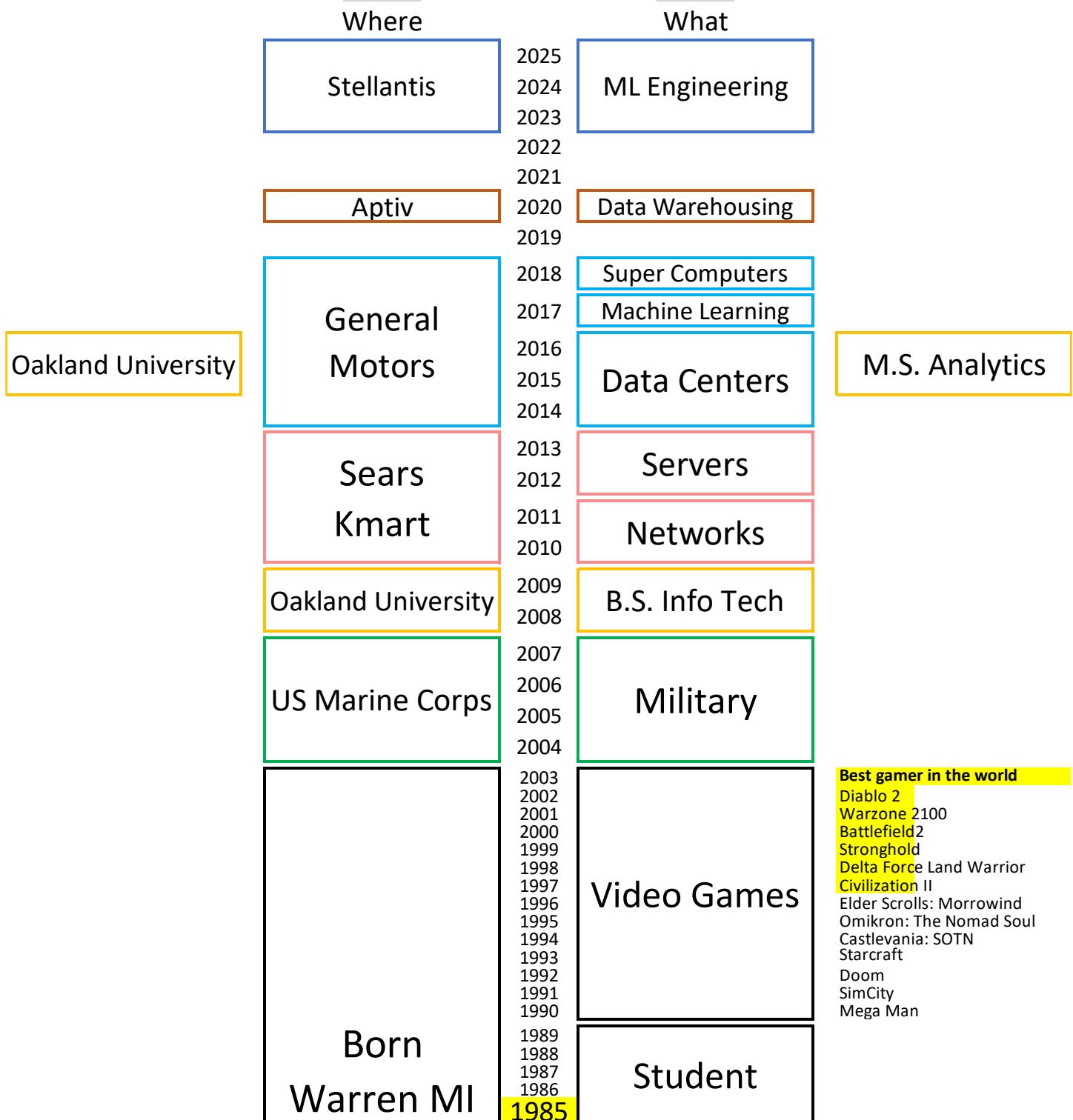
### B.S. Information Technology - Oakland University 3.55 GPA – Rochester Hills MI (Jan2008 – Apr2010) **2yrs 3mo**

- Studied algorithms, networks and security. Awarded academic honors 3x and finished 2 years early.

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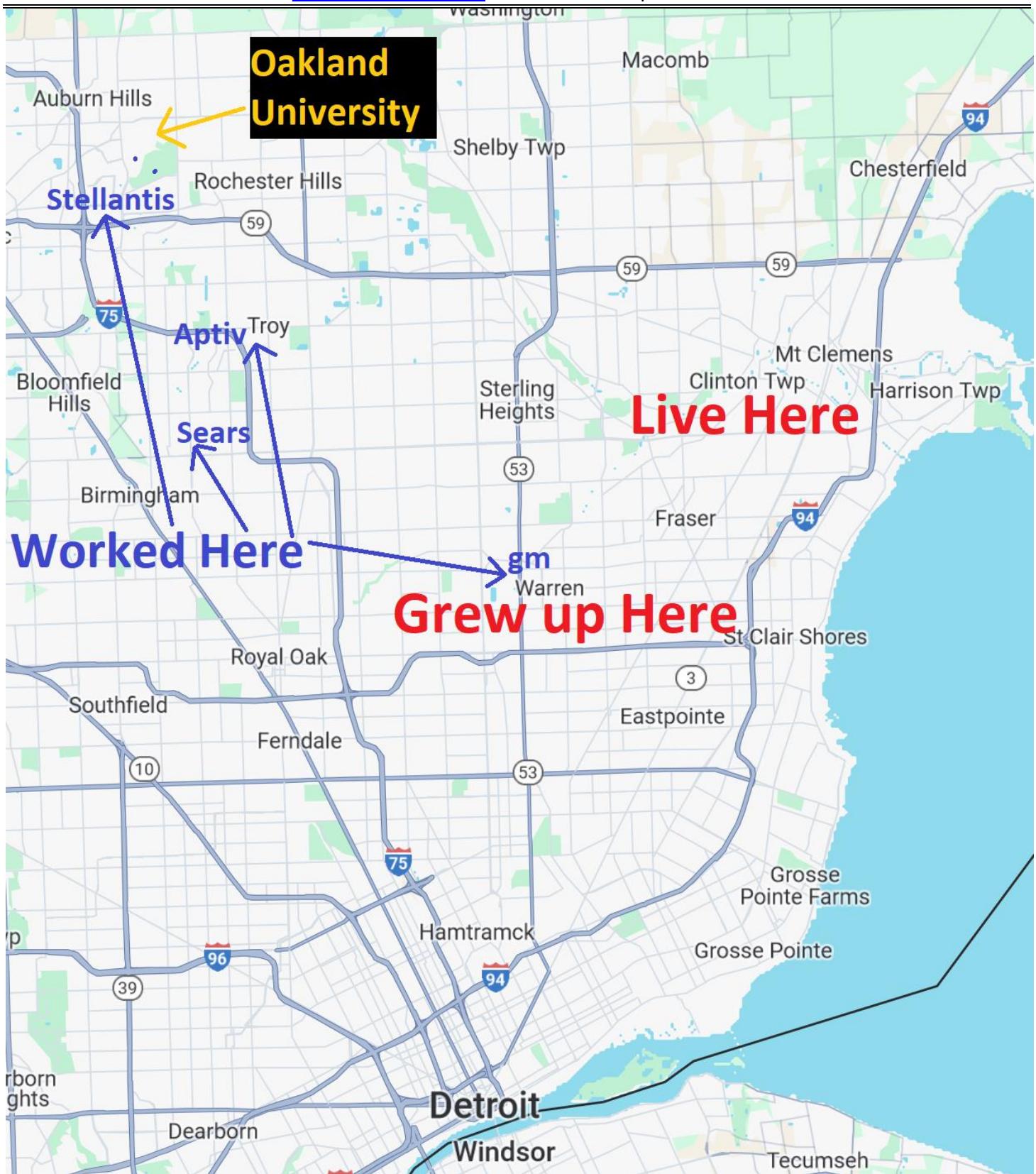


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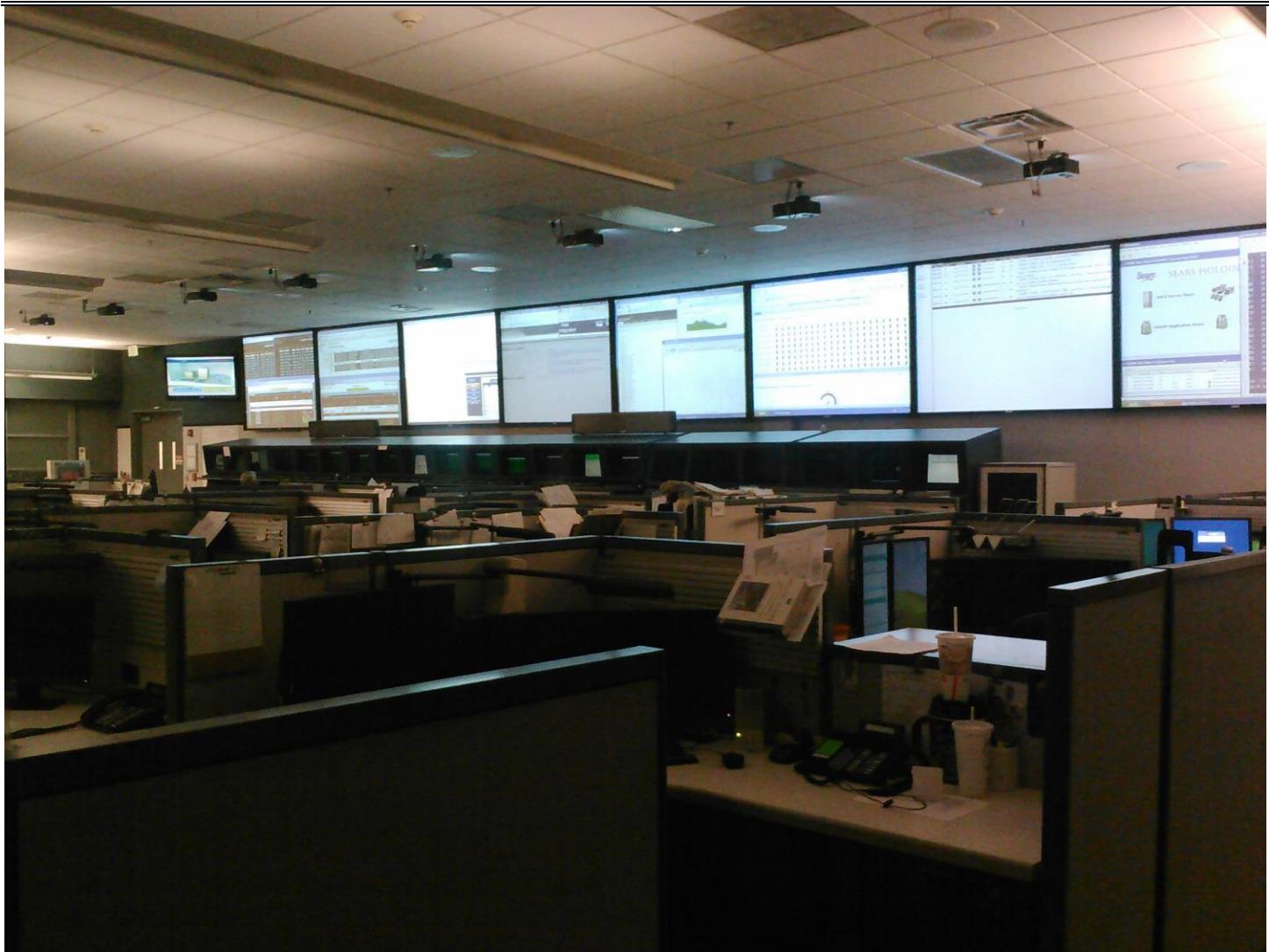
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I've lived my entire life in the Metro Detroit area with the exception of 4 years in the military.

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My desk at my first job after college, night shift at the Sears/Kmart Network Operations Center (NOC).

 **Network Operations Center Analyst - Sears Holdings** Troy, MI (May2010 – Aug2012) 2yrs 4mo

- Troubleshooted LAN/WAN network issues at 1,000+ Sears/Kmart stores and data centers.
- Configured routers, switches, load balancers, wireless networks and firewalls.
- Top performer on 20-person team averaging 25 resolutions per day e.g., store cannot connect to Internet, cash register cannot process payments, wireless network not working.

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Sears/Kmart core network data center backbone. I was responsible for troubleshooting the network.



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The system that broadcasts music inside the stores. Data/music is broadcasted using VSAT satellite dishes and I was responsible for troubleshooting the store satellite connections.



The main satellite broadcasting music to low earth orbit before the signal is redistributed to 1,000s of retail stores.

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**My 2<sup>nd</sup> job after college:**

**Night shift at the Sears/Kmart data center, located on the 2<sup>nd</sup> Floor above the Network Operations Center NOC.**

**Sears Lead Data Center Systems Administrator - Sears Holdings Troy, MI (Aug2012 – May2014) 1yr 10mo**

- Responsible for the operations of all data center platforms Hadoop, mainframe, cloud, Sears.com.
- Troubleshooted 2,000+ UNIX/Windows private cloud servers.
- Provided root cause analysis to executives on P1 major outages.

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**IBM Z900 and AS/400 mainframes.** Mainframes are highly reliable systems that are used for critical applications such as store transactions, Warehouse Management and ERP systems. I monitored for failed batch jobs and performed weekly backups.



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Teradata and Netezza data warehouses we migrated to Hadoop. I monitored the Hadoop cluster operations. Data warehouses are used for analytics of large tabular data. These are the recommender systems behind large websites.



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The servers running Sears.com and Kmart.com. I monitored the operating systems and web cache.



Hitachi VSP Storage Area Network (SAN). This is the storage network that powered our on-premise private cloud.

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**My 3<sup>rd</sup> job after college:**

**Working inside General Motors' data centers as a liaison between IT and facilities. We built (2) \$250 million dollar data centers from 2013-2017 and consolidated 9 data centers into 2.**

 **Data Center Operations Engineer - General Motors Warren, MI (May2014 – Jun2017) 3yrs 1mo**

- Installed, troubleshooted and decommissioned 1000s of data center servers.
- Responsible for all change and incident management in data centers.
- Managed data center activities with several teams; storage, network, OS, development, facilities.

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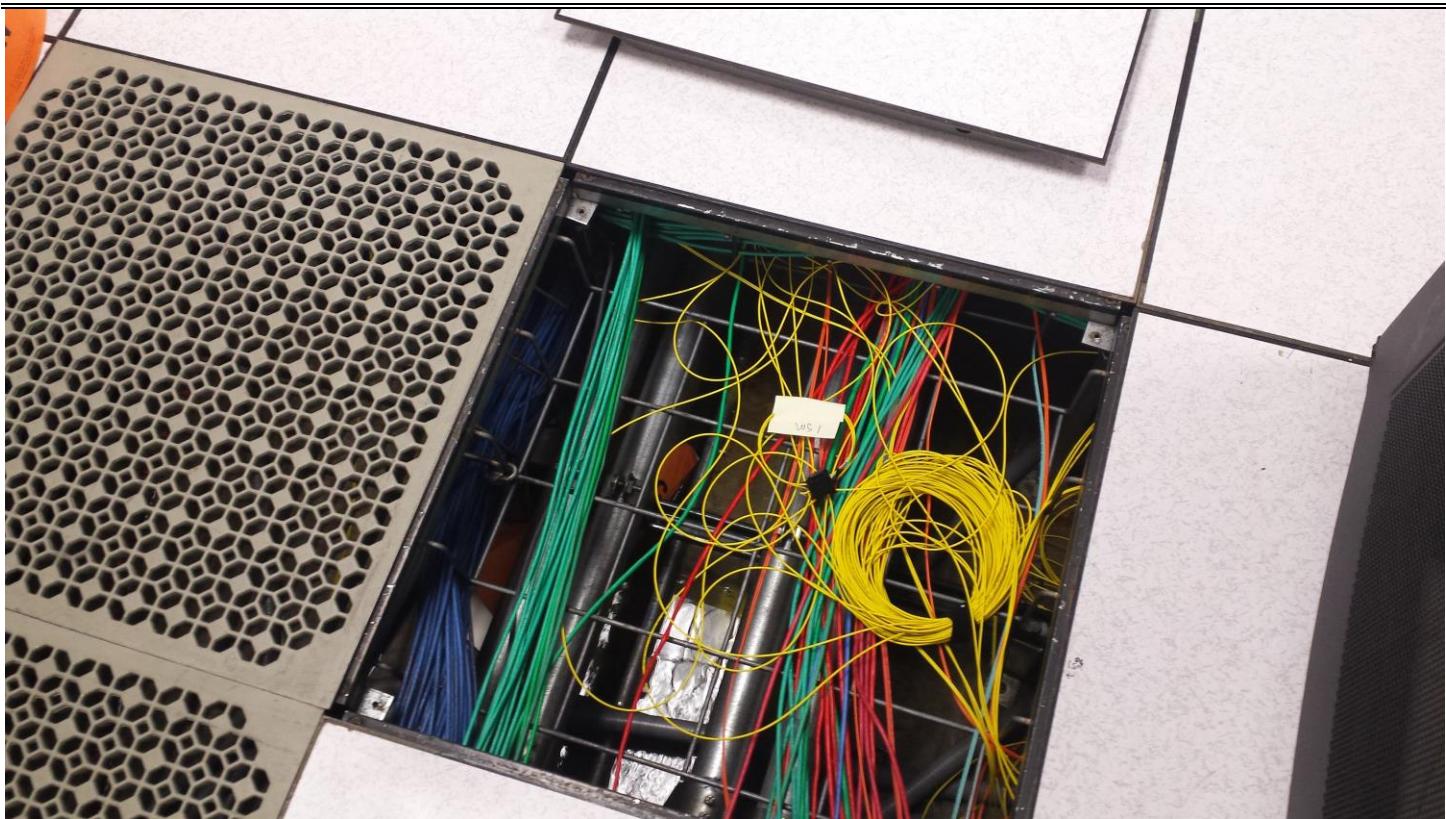
On the evening of August 14<sup>th</sup> 2014, Warren MI received historic rainfall and flooding. I was the only data center engineer on 2nd shift when the mechanical room for a data center located in the basement started flooding.



Water seeping underneath the door to the high voltage substation room.

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Water underneath the raised floor inside the data center. I decommissioned the data center over the next 6 months and reprovisioned the systems in a newer data center.



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Examples of large servers I unracked and relocated as part of data center consolidation.



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Examples of decommissioned clusters I unracked, uncabled, palletized, inventoried and shipped.



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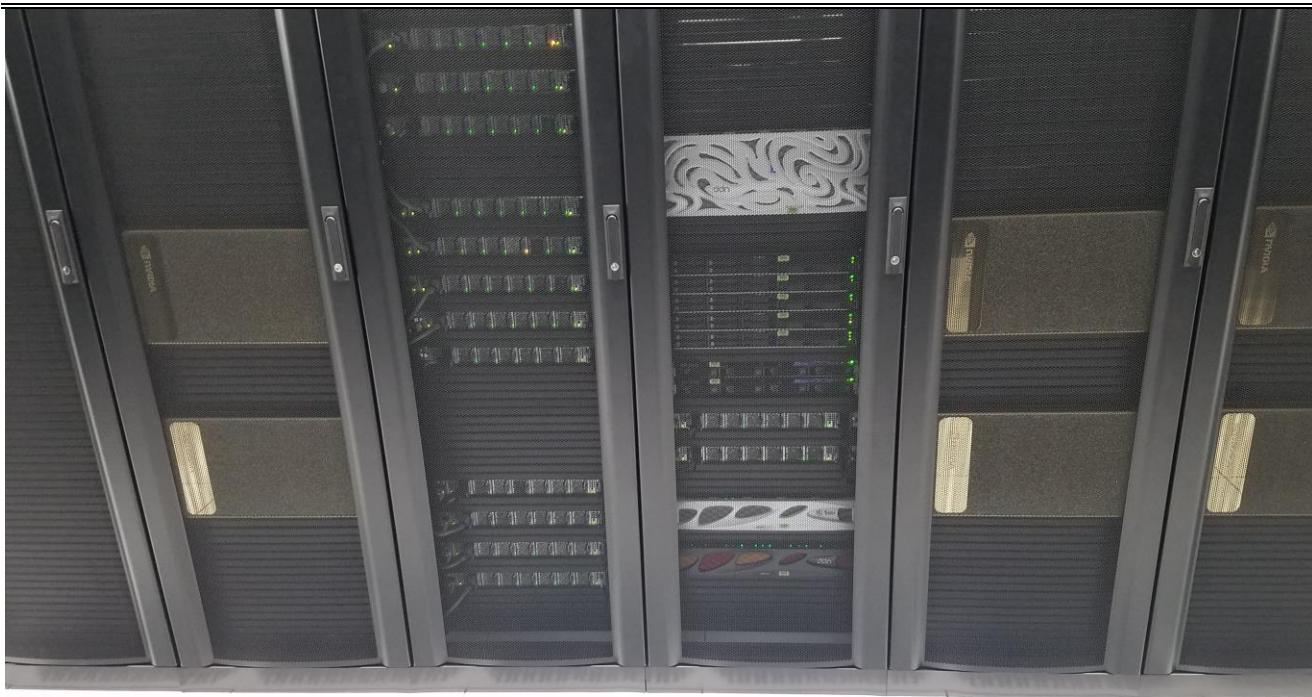
Responsible for shipping, receiving, cabling, installing and decommissioning all data center hardware at 9 locations.



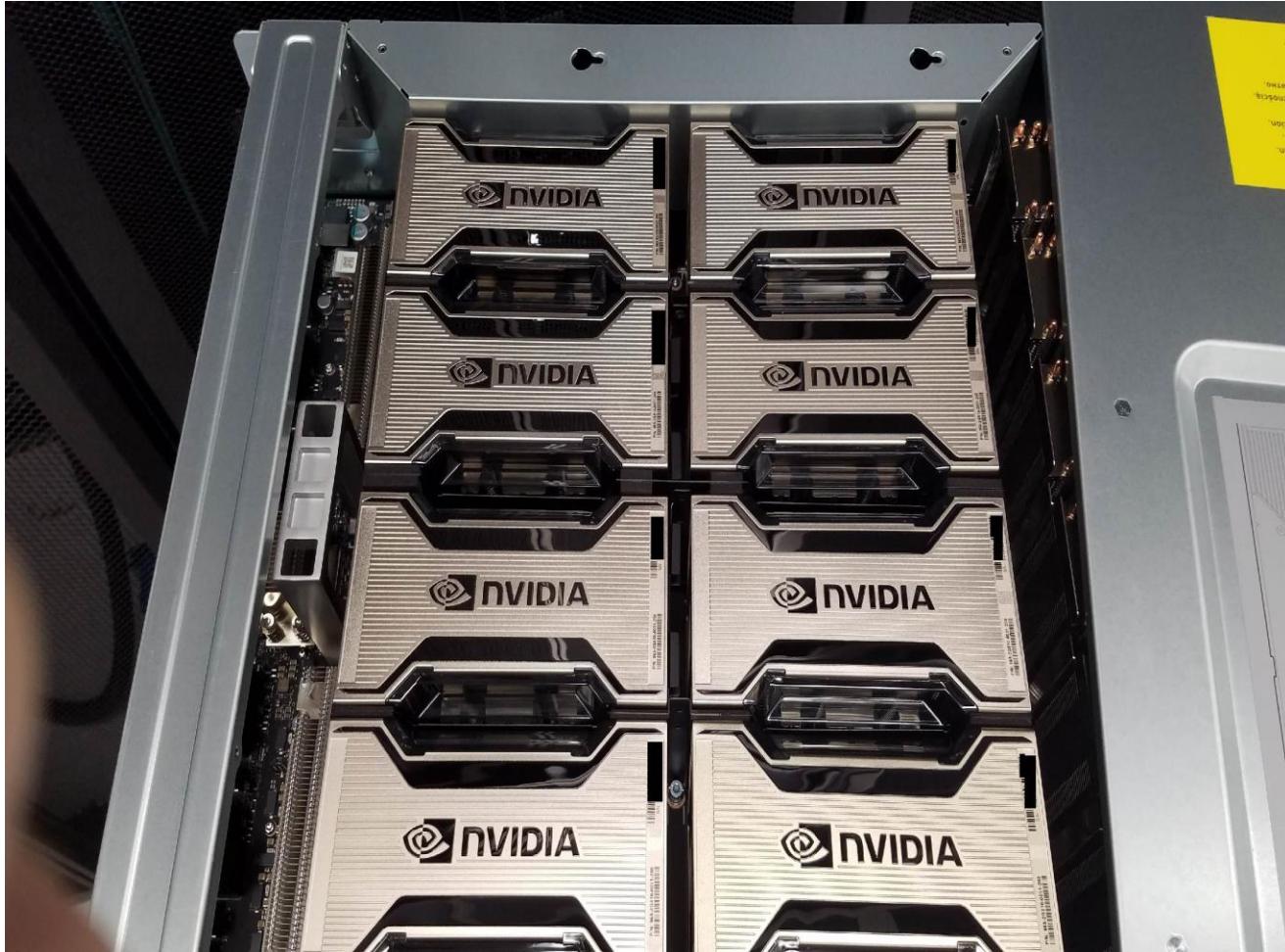
New servers being prepped for installation. My desk is in the background.

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Nvidia DGX GPU supercomputer I was responsible for operating. This is where AI/ML models are developed.



The inside of a DGX server that I performed hardware replacement.

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Performing a route clearance mission, clearing roadside bombs using an AN/PSS-12 landmine detector. Route clearance consists of removing roadside bombs from heavily traveled routes in the middle of the night.

**Sergeant, Combat Engineer - U.S. Marine Corps Camp Lejeune, NC (Dec2003 – Dec2007) 4yrs**

- Deployed to Fallujah Iraq for 16 months clearing roadside bombs.
- Squad leader of 13 Marines responsible for planning and execution of combat missions.
- Achieved highest rank possible in a 4-year enlistment and awarded Combat Action Ribbon.

As a combat engineer in the U.S. Marine Corps, I deployed to Fallujah Iraq for 8 months in 2005 and again in 2007. Combat engineers have 2 responsibilities: construction and demolition. We constructed fortified housing, bunkers, outposts and patrol bases. On the demolition side we performed explosive ordnance disposal, route clearance and demolition support.

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A convoy of 8 vehicles from my platoon preparing for a night mission. Convoys resupply small decentralized outposts from main logistical hubs. Route clearance leaves first and clears the way.



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As combat engineers, we prepared C4 and high explosive cratering charges, M039 40 Lbs. They're used to make large craters in the ground for trenches and terraforming the battlefield.



A patrol base in downtown Fallujah destroyed by a vehicle bomb March 18<sup>th</sup> 2007. We quickly arrived on scene to rescue survivors, recover valuables and demolish the unstable structure with explosives.

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Example of fortified housing my platoon built. Capable of withstanding rockets, mortars and bombs, complete with electricity and air conditioning. Our 40-person team worked 16-hour days for 22 days while wearing heavy armor in sweltering heat. We built over 15 outposts around Fallujah. We'd take a week off and then repeat at a new location. The small lake in the background can be seen from google maps: <https://www.google.com/maps/place/33%C2%B0024>



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Installing the floors of new housing.



Building the roof at night. We worked throughout the night because midday was too hot.

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A picture of me soaking wet and looking exhausted after pouring wheelbarrows of concrete for 12 hours. No showers for 3 weeks.



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Pouring concrete in the footers to secure the foundation.



Footers for 2 buildings. We built 4 buildings total.

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Installing rooftop bunkers we built using a crane.



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Installing concertina wire to secure the perimeter of electrical infrastructure. The responsibility of a combat engineer. It might seem trivial but pounding those posts into sand/rock with a sledge hammer for 1km is labor intensive.



The mound of dirt and large utility poles in the background can be identified from [google maps](#)

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In my leisure time I like horticulture e.g. the most optimal way of growing plants. Rhododendrons are my favorite. However, caretaking is too time consuming. I studied the effects of UV light, nutrients and other parameters on plant growth while optimizing greenhouse energy efficiency. I personally discovered the importance of vitamin D in my own health due to UV exposure. All of the best scientists experiment with light in their spare time 😊



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NR200P, AMD 5950x, RX 6800 XT, 32GB DDR4, (2) 2TB SSD

Orange and white RGB gaming computers I built for my nephews ages 8, 14 and 16 (2021).



O11 Snow White, 11700k, RX 6700 XT, 32GB DDR4, (2) 2TB SSD

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Photo of my degrees hanging on the wall.

## EDUCATION

- ⌚ **M.S. IT Management - Oakland University** 3.58 GPA – Rochester Hills MI (Sep2015 – Apr2017) **1yr 7mo**
  - Studied predictive analytics, databases and data warehousing.
- ⌚ **B.S. Information Technology - Oakland University** 3.55 GPA – Rochester Hills MI (Jan2008 – Apr2010) **2yrs 3mo**
  - Studied algorithms, networks and security. Awarded academic honors 3x and finished 2 years early.