

# Cohen Chambers

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## SUMMARY

Early-career Network Cloud Engineer ready to support highly available GCP infrastructure serving food distribution, warehouse, logistics, and corporate applications. Hands-on academic and supervised lab work includes provisioning VPCs, subnets, **firewall rules**, Cloud NAT, **load balancers**, health checks, Cloud VPN, VPC Peering, and Shared VPC with Terraform. Practical experience spans TCP/IP, DNS, routing, CIDR-based IP addressing, Linux administration, Bash, Python, Git, GitHub, Cloud Logging, and **VPC Flow Logs**. Built troubleshooting runbooks, architecture diagrams, testing procedures, and repeatable **Infrastructure-as-Code** workflows. Eager to contribute at Great Lakes Provisioning Group, learn from experienced mentors, and help protect dependable connectivity for supply-chain operations.

## EDUCATION

### Bachelor's Degree in Computer Information Systems

2026

Grand Valley State University GPA: 3.8

Allendale, MI

*Coursework: GCP networking, cloud infrastructure, network security, systems administration, Python programming*

## TECHNICAL SKILLS

- **GCP Networking:** VPCs, subnets, Shared VPC
- **GCP Connectivity:** Cloud VPN, VPC Peering, Cloud NAT
- **GCP Traffic Services:** Load Balancing, Health Checks, Firewall Rules
- **Network Protocols:** TCP/IP, DNS, Routing
- **IP Addressing:** CIDR, Subnet Allocation, IP Planning
- **Cloud Observability:** Cloud Logging, VPC Flow Logs, Network Monitoring
- **Infrastructure as Code:** Terraform, Terraform Modules, Terraform State
- **Scripting:** Bash, Python, Log Parsing
- **Operating Systems:** Linux, Linux Networking, Shell Utilities
- **Source Control:** Git, GitHub, Pull Requests
- **Network Operations:** Troubleshooting, Capacity Monitoring, Incident Response
- **Technical Documentation:** Architecture Diagrams, Deployment Guides, Operational Runbooks

## SKILLS

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|------------------------|------------------|------------------------|---------------------------|
| • GCP networking       | • DNS            | • IP addressing        | • Git/GitHub              |
| • Cloud infrastructure | • Routing        | • Linux administration | • Network monitoring      |
| • Terraform            | • Firewalls      | • Bash scripting       | • Technical documentation |
| • TCP/IP               | • Load balancing | • Python scripting     |                           |

## EXPERIENCE

### Junior Network Cloud Engineer, Academic Project

September 2025 - May 2026

University Cloud Networking Project

Grand Rapids, MI

Supported a four-person project team building a GCP network prototype for simulated foodservice distribution operations. Owned segmentation, repeatable Terraform deployment, hybrid connectivity testing, observability, and technical documentation. Connected cloud architecture decisions with warehouse order processing, logistics communication, and corporate service availability.

- Designed segmented GCP VPCs, subnets, and CIDR plans for warehouse, logistics, corporate, and shared-services workloads, improving isolation during faculty-reviewed testing.
- Provisioned repeatable network resources through Terraform modules, variable files, and GitHub pull requests, creating a reviewable Infrastructure-as-Code workflow for four contributors.
- Configured firewall rules, **Cloud NAT**, regional load balancing, and **health checks** to test secure outbound access and resilient connectivity across three simulated operating regions.
- Connected cloud workloads with a university-hosted on-premises lab through **Cloud VPN**, then compared **VPC Peering** and Shared VPC options against routing and access requirements.
- Investigated failed connections through **Cloud Logging** and VPC Flow Logs, tracing DNS, TCP/IP, and firewall behavior before documenting root causes and remediation steps.

- Produced **architecture diagrams**, deployment guidance, and operational runbooks used during a faculty-reviewed demonstration of warehouse order-processing services.

**Network Cloud Engineer, Supervised Student Lab**

January 2025 - August 2025

University Network Automation Lab

Allendale, MI

Built supervised Linux and GCP lab environments for network operations practice. Tested routing, DNS, subnet allocation, firewall behavior, load-balancer health, Terraform change review, and diagnostic scripting. Translated lab findings into practical recommendations for connectivity reliability, failover, restricted egress, and shared team operations.

- Built Linux-based test environments for **routing, DNS** resolution, subnet allocation, firewall behavior, and load-balancer health checks across cloud-connected service scenarios.
- Wrote Bash and Python utilities that validated CIDR ranges, inspected reachability, collected diagnostic output, and standardized recurring network checks across lab exercises.
- Implemented **Terraform** configurations for GCP VPCs, **subnets**, firewall policies, and Cloud NAT, using plan and apply reviews to identify configuration drift before deployment.
- Simulated intermittent connectivity affecting distribution-center applications, isolating failures through route tables, DNS responses, firewall logs, and **VPC Flow Logs**.
- Created test cases for availability, failover, restricted egress, and application health, recording expected results and observed behavior in a shared GitHub repository.
- Presented **troubleshooting** findings and design tradeoffs to faculty and classmates, turning network behavior into concise operational recommendations.

**Network Cloud Engineer, Research Assignment**

September 2024 - December 2024

Academic Research: Resilient Supply Chain Connectivity

Allendale, MI

Researched resilient connectivity patterns for distributed supply-chain operations spanning corporate services, warehouse systems, transportation applications, and cloud-hosted APIs. Modeled VPN, peering, and shared-network choices with Linux test nodes, Python analysis, controlled traffic tests, monitoring practices, and faculty-reviewed recommendations.

- Modeled connectivity requirements for corporate services, warehouse systems, transportation applications, and cloud-hosted APIs, linking network choices with order fulfillment and inventory visibility.
- Compared VPN, peering, and shared-network patterns through GCP documentation and **Linux** test nodes, weighing segmentation, access control, and dependable service reachability.
- Developed a **Python** log-review script that grouped simulated connection events by source, destination, protocol, and failure type, speeding analysis during research exercises.
- Evaluated **capacity** and availability scenarios through controlled traffic tests, recording latency observations, route changes, health-check results, and recovery behavior.
- Drafted network diagrams and configuration notes that connected technical decisions with **logistics** communication needs and business-critical service access.
- Delivered a faculty-reviewed presentation recommending **Cloud Logging, VPC Flow Logs**, documented thresholds, and repeatable incident response steps.

**PROJECTS**

**Supply Chain Network Resilience Model** 📅 2025

Created a GCP reference architecture for dependable warehouse, logistics, and corporate connectivity. Terraform, Cloud VPN, Shared VPC, monitoring, and failover scenarios helped connect technical reliability with uninterrupted order fulfillment.

**Cloud Network Runbook Library** 📅 2026

Built a concise library of architecture diagrams, deployment guides, test cases, and operational runbooks. Materials turn recurring GCP networking issues into clear steps for diagnosis, recovery, and team learning.

**LEADERSHIP & AWARDS**

- Dean's List, Grand Valley State University, Fall 2025
- Outstanding Cloud Networking Project Presentation, School of Computing, 2026
- Academic Merit Scholarship, Grand Valley State University, 2024 - 2026

**CERTIFICATIONS**

- Google Cloud Associate Cloud Engineer (ACE) 📅 2026
- Google Cloud Skills Boost: Networking in Google Cloud 📅 2025
- Linux Essentials, Cisco Networking Academy 📅 2025

## PROFESSIONAL AFFILIATIONS

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- Cloud Computing Student Association, Technical Workshop Coordinator, 2025 - 2026
- Computing Peer Mentor Program, Network Fundamentals Peer Mentor, 2025
- University Technology Showcase, Student Demonstrator, 2026

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST