

Aaron Cox

✉ Northern33@ymail.com ☎ (819) 712-1642 📍 Chisasibi, Quebec

Technology professional with extensive experience in network administration, cable infrastructure, and technical support. Passionate about understanding systems from hardware to software, with strong background in reverse engineering, troubleshooting, and maintaining complex technical environments. Skilled in both legacy and emerging technologies, from coaxial systems to fiber optics.

EXPERIENCE

Special Projects Technician

April 2021 - Present

Kinwapt Cable Inc

Chisasibi, QC

- ▶ Install and maintain town's cable infrastructure to increase bandwidth capacity
- ▶ Configure and install nodes for cable plant expansion projects
- ▶ Manage and troubleshoot switches and CMTS systems (CASA100G, Calix for Fiber)
- ▶ Perform fiber optic splicing and troubleshooting, running new fiber into buildings
- ▶ Diagnose and resolve satellite signal issues through decoder reprogramming or module replacement
- ▶ Recommend tools and meters needed for effective troubleshooting in problem areas

Maintenance Technician

May 2019 - November 2020

Novatel (Subcontractor for Rogers)

Ottawa, ON

- ▶ Responded to various work sites throughout Ottawa to resolve customer internet issues
- ▶ Diagnosed and replaced faulty equipment to restore service
- ▶ Collaborated with team to ensure timely resolution of service disruptions

Community Worker

March 2015 - November 2016

Cree Board of Health and Social Services of James Bay

Chisasibi, QC

- ▶ Worked with youth who went through the court system
- ▶ Facilitated means for clients to complete community service hours assigned by the court

- ▶ Supported clients in making positive changes following their offenses

Cable Technician / Network Administrator

December 2010 - February 2012

Kinwapt Cable Inc

Chisasibi, QC

- ▶ Created digital media designs for local television community channel
- ▶ Managed Linux-based Cisco switches for Wide Area Network administration
- ▶ Installed and configured modems for residential and business customers
- ▶ Performed outdoor cable work including residential connections and infrastructure maintenance
- ▶ Maintained amplifiers, power distributors, hubs, and performed fiber work

Internet Monitor

January 2005 - March 2006

Cree Nation of Chisasibi - Youth Center

Chisasibi, QC

- ▶ Managed and maintained network of computers
- ▶ Performed routine maintenance and troubleshooting
- ▶ Provided technical assistance to users as needed

CONTRACTUAL WORK

Video Technician

HLG - Chisasibi, QC

2023 - Present

Set up and troubleshoot large LED screen display technology and communications between devices. Configure and maintain IP camera networks, routers, and ensure proper communication flow. Transport and set up equipment as needed.

Audio Technician

House Sound - Chisasibi, QC

1997 - 2016

Set up sound reinforcement systems for public and private events including general meetings, concerts, and sporting events.

EDUCATION

Computer Programmer

2018 - 2019

Algonquin College - Ottawa, ON

Withdrew due to teachers strike

CERTIFICATIONS

Return Path - SCTE

June 2016

Design, setup, maintenance, troubleshooting, and application of reverse spectrum characterization, monitoring, testing, and repairing.

Coaxial Cable in the HFC Plant - SCTE

June 2016

Technical system design, practical applications, broadband test equipment, amplifier systems, fiber optics, and CLI testing.

SKILLS

Programming & Development

Java, C#, Python, JavaScript, SQL

Databases

MySQL, PostgreSQL, MariaDB

Creative & Media

3D Modeling, Sculpting, Rendering, Adobe Photoshop, Video Editing, Photography, Audio/Music Production

Productivity Tools

Microsoft Office, Google Suite (Sheets, Documents)

Networking

Cisco switches, WAN administration, CMTS, Calix, Fiber optics, IP cameras

Systems & Hardware

Linux, cable infrastructure, amplifiers, modems, troubleshooting, reverse engineering

Website Design & Hosting

Website design, Database development, and Hosting.