

ROBERT LEALE

1025 Valleyview Dr., Clarkston, MI 48348 | 248-915-8620 | robertleale@gmail.com

EDUCATION

Grand Valley State University, Allendale, MI

B.A. Communications

Emphasis Video Production

2003

Grand Valley State University, Allendale, MI

B.A. French Language

2003

EXPERT WITNESS EXPERIENCE

Audionics Systems Inc. vs AAMP of Florida, Inc.

Deposed as Expert Witness, Create expert report in terms of Validity and Infringement.

2014-2015

AAMP of Florida, Inc. vs Automotive Data Solutions, Inc.

Deposed as Expert Witness, Create expert report in terms of Infringement.

2015-2016

TEACHING EXPERIENCE

Vehicle Networks Hacking

Course on Vehicle Data Reverse Engineering for DefCon 19

2011

Vehicle Networks Reverse Engineering

Course on Reverse Engineering Vehicle Data at Blackhat Europe

2013

Center for Advanced Vehicle Environments (CAVE) Vehicle Data Reverse Engineering

Created Courses for understanding how vehicle systems work and how to Reverse Engineer vehicle embedded systems

2012 -2016

Vehicle CAN Bus Communications and Diagnostics Reverse Engineering

Course on Reverse Engineering Vehicle Data at Blackhat USA

2014-2016

RELATED EXPERIENCE

CanBusHack, Inc.

President

Create, perform, and report on vehicle system institutes through responsible disclosure. Assessed vehicle combination systems including telematics, can bus, Ethernet, Bluetooth, and standard RF such as key fob and TPMS assessments. Great a world class team of specializes vehicle hackers to mid quickly and efficiently through projects. Trained over 400 Cyber Security researches via Black Hat and other venues.

February 2010 – Present

Provide Reverse Engineering Services to customers who seek to learn more about vehicle data systems including, but not limited to, Can Bus data reverse engineering, security algorithm extraction, embedded system firmware extraction and analysis, and total vehicle data assessment.

Car Hacking Village

Founder

Mutli-national, vehicle-focused hacking village. Found at many Cybersecurity and Hacking Conferences such as Def Con, Hack In The Box, Hardware.IO, CypherCon, DerbyCon, THOTCon, GrrCon, BSides Tampa, 44 Con, and many more.

2014-Present

Intrepid Control Systems, Inc.

Application Engineer

Assists customers such as GM, Ford, Chrysler and their suppliers with understanding testing and integration problems of vehicle network systems. Including, but not limited to, test automation for durability tests. Assist customers in Vehicle Data Reverse Engineering a.k.a. competitive analysis of proprietary vehicle systems for the purpose of comparison and, in some cases, patent infringement.

February 2005 – February 2010

Assisted Aftermarket companies to develop and test their hardware devices that connected to vehicle networking systems. These devices included OBDII dongles, GPS tracking/Telemetry devices, Aftermarket control units such as Remote Start, Hand Control, and Navigation Systems. RF-Bases Systems such as Key Fobs and TPMS Sensors.

IBM Global Services

Network Technician

2003-2005

Assisted in the day-to-day maintenance of Dow Chemical's world-wide server infrastructure.

Grandville Public Schools

Computer/Network Technician

1997-2003

Computer PC repair, setup, and configuration. Assisted users with day-to-day issues. Setup computers and computer networks and support.

Hobbyist

PC/Vehicle Integration

1997-2003

Connected Desktop PC into person vehicle (1996 Honda Civic). Integrated into aftermarket Radio for Audio and OBDII Port for Vehicle Data (K-LINE).

EXPERT WITNESS

AAMP

2015-2017

Aftermarket hardware company looking to enforce and defend patents related to programmable aftermarket devices connected to vehicle electronic networks.

TRAINING

Black Hack

2012-Present

Largest Cyber Security Conference with over 75 Training Events per year

Cyber-Auto (Center for Advanced Vehicle Environments)

2011-Present

SAE's Cyber STEM Program to teach high school and university students how to get started in automotive cyber security.

Cyber-Truck

2011-Present

NMFTA Cyber STEM Program to teach high school and university students how to get started in semi-truck cyber security.

Hardware.io

2017

Hardware-based security conference based in The Hauge.

LANGUAGES

English – Native Language

French – Speak fluency, read and write with moderate proficiency