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Summary_

I'm interested in space, radio communications and anything involving electricity. I also work on cars for fun. I love to fix whatever people hand me. I began my professional life as a programmer and systems administrator and then moved on to engineering.

Work Experience

BYU Spacecraft Group

LEAD COMMUNICATIONS ENGINEER Apr 2016 - PRESENT

- Twin satellites will fly in early 2018.
- Design an end-to-end satellite communications system within technical constraints
- Lead RF engineering work designing antennas and amplifier systems
- Developed Linux Address Family on-board satellite to support end to end communications
- Developed Ground Station system using an Ettus USRP and GNURadio
- Developed dishes and on-board antenna systems

BYU Computer Aided Engineering Design and Manufacturing

Provo, Utah

Provo, Utah

Nov 2015 - PRESENT

- Developed Linux Infrastructure to maintain storage, enable authentication and enhance the user experience
- Migrated to a new LDAP cluster and schema using SaltStack
- Implemented MIT Kerberos in the environment using SaltStack

SolvereOne and HouseCall IT

ASSISTANT SYSTEMS ADMINISTRATOR

Dulles, Virginia and Washington D.C.

Jun 2013 - Oct 2015

- Maintained and designed secure network deployments
- Deployed and maintained Windows user and application systems
- Managed Linux administration

Education

SYSTEMS ADMINISTRATOR

BYU (Brigham Young University)

Provo, Utah

B.S. IN ELECTRICAL ENGINEERING

Sep 2015 - Exp. Apr 2019

• Lead Communications Engineer on BYU's first small satellite mission

TJHSST (Thomas Jefferson High School for Science and Technology)

Alexandria, Virginia

HIGH SCHOOL DIPLOMA

Sep 2011 - Jun 2015

· Designed NFC System for Senior Research Project

Projects_____

CCSDS Kernel Driver

LINUX ADDRESS FAMILY Jul 2017

· Designed and implemented Linux kernel address family that adds CCSDS Space Packet Protocol support

Extracurricular Activity _____

Boy Scouts of America

EAGLE SCOUT

National Capital Area Council

Jul. 2011 - Present

• Designed and manufactured garden signs for the Old Stone House on M. Street in Washington D.C

Competencies _____

Јасов В. Ногтом **OCTOBER 7, 2017**

- Active Directory, LDAP, Kerberos, Cisco IOS, Sophos UTM, Python, Haskell, C, C++, Embedded Development, Windows Server 2008 -2012 R2, CentOS/Ubuntu/Gentoo/RedHat Linux, BSD, Ansys HFSS, Matlab, Mathematica, VMWare vSphere, VMWare View, Microsoft Office, Nagios, Apache, NGINX, MySQL, PostgreSQL, HTML5, JavaScript, CSS, Java, Windows XP 10, ZFS, SaltStack, LTspice, Autodesk EAGLE, Amateur Radio, FCC Licensing, RF Systems, Modulalation, Packetization and Framing, GNURadio, Ettus USRP, Nuand BladeRF
- BSA Eagle Scout (Insert date here)