Jacob **Holtom**

ELECTRICAL ENGINEER · SYSTEMS ADMINISTRATOR

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Summary

I'm interested in space, radio communications and anything involving electricity. I also work on cars and build (occasionally) fast ones. 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   *Provo, Utah*

LEAD COMMUNICATIONS ENGINEER   *Apr. 2016 - PRESENT*

- Design an end-to-end satellite communications system within technical constraints.
- Lead team members and integrate subsystem with other teams.
- RF engineering work designing antennas and amplifier systems.

BYU Computer Aided Engineering Design and Manufacturing   *Provo, Utah*

ASSISTANT SYSTEMS ADMINISTRATOR   *Nov. 2015 - PRESENT*

- Linux Infrastructure Engineer maintaining storage, authentication and user experience.

SolvereOne and HouseCall IT   *Dulles, Virginia and Washington D.C.*

SYSTEMS ADMINISTRATOR   *Jun. 2013 - Oct. 2015*

- Maintaining and designing secure network deployments.
- Deploying and maintaining Windows user and application systems.
- Catch-all Linux Administration

Education

BYU (Brigham Young University)   *Provo, Utah*

B.S. IN ELECTRICAL ENGINEERING   *Sept. 2015 - Exp. Apr. 2019*

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

TJHSST (Thomas Jefferson High School for Science and Technology)   *Arlington, Virginia*

HIGH SCHOOL DIPLOMA   *Sept. 2011 - Apr. 2015*

- Completed Senior Research designing NFC systems

Competencies

- Memes mostly