

JOSHUA MERRILL

349 E Roosevelt Ave, Salt Lake City, UT 84115
801-830-7911

jmerrill916@gmail.com
www.linkedin.com/in/joshua-merrill
<https://github.com/josmer-code-myster>

SUMMARY

I am a seasoned OSP telecom drafter with fourteen years of experience. In that time, I attained a solid understanding of drafting techniques and familiarity with engineering terminology. I became experienced in GIS fiber design and management working on various projects, including cooperative skills in group dynamics, and managing workflow and individuals. In addition, I implemented innovative new drafting techniques to streamline quality and increase output efficiency. I have experience developing, editing, and debugging various scripts and code expressions to automate repetitive tasks to improve efficiency and perform complex analytical tasks. I am currently pursuing a bachelor's degree in Computer Engineering and looking to expand my IT and programming skills.

SKILLS

- AutoLisp
- Proficient w/ AutoCAD, Map 3D, and Civil 3D
 - Integrated programming languages: AutoLisp, Diesel, Macro, and Field expressions
 - Feature creation: basic and dynamic blocks, basic, and complex linetypes
- Proficient w/ ArcMap
 - Integrated languages: Python, Java Script, and SQL
 - GIS: feature creation, datasets, querying, data tables
- Other experience
 - 3-GIS (GDIT/Tilson)
 - Weaver (Google Fiber)
- Field work
 - Project engineering
 - Utility locating and staking
- Languages
 - English (native)
- JavaScript
- Python
- SQL
 - Interface customization: templates, plot styles, page setups, menus, toolbars, and commands
 - GIS Mapping: feature creation, datasets, querying, object data tables, etc.
 - Map layer stylization and plotting
 - Exporting and importing GIS data
- Martin Group Fiber Management (Silver Star Communications)
- Fiberbase (Qwest Longhaul)
- GPS and Trimble field data collection
- Pole loading and pole surveying
- Portuguese (moderate)
- Spanish (minimal)

EXPERIENCE

Tilson Technology Management <i>OSP Telecom Civil CAD Designer</i>	2018 – Current
General Dynamics Information Technology <i>OSP Telecom GIS Technician/Programmer</i>	2016 – 2017
Rocky Mountain West Telecom <i>OSP Telecom CADD Specialist/Programmer/GIS Technician</i>	2005 – 2016

EDUCATION

University of Utah, Salt Lake City, UT <i>Full major status: Bachelor of Science in Computer Engineering</i>	2015 – December 2022 GPA: 3.0
<ul style="list-style-type: none">• Math: Calculus for Engineers I and II, ODEs, Linear Algebra, Vector Calculus and PDEs• Science: Physics for Engineers I and II• Computer Science:<ul style="list-style-type: none">◦ Object Oriented Programming (Java)◦ Algorithms and Data Structures (Java)• Electrical Engineering:<ul style="list-style-type: none">◦ Fundamentals of Engineering Electronics◦ Fundamentals of Digital System Design◦ Introduction to Semiconductor Device Physics• Current Courses:<ul style="list-style-type: none">◦ Introduction to Quantum Computers	<ul style="list-style-type: none">◦ Software Practice I (C# and MySQL)◦ Computer Organization (MIPS)◦ Introduction to Relativity and Quantum Mechanics◦ Fundamentals of Electromagnetics and Transmission Lines◦ Embedded System Design
Utah Valley University, Orem, UT <i>Associate in Applied Science</i>	2014 GPA: 3.4