

# **Ryan M. Uhl**

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## **Objective:**

Utilize engineering skills obtained through work experience to provide the best service to a company and their customer base

## **Education:**

Bachelor of Science in Mechanical Engineering Technology, TAC/ABET May 2005  
Alfred State College, Alfred, NY

Associate in Applied Science in Computer Aided Drafting/Computer Aided  
Manufacturing, 2003

Graduated with Honors

Alfred State College, Alfred, NY

## **Work Experience:**

Manager Outside Plant Planning And Engineering Design, AT&T, Raleigh, NC, April  
2014 – January 2021

- Manage and design projects related to equipment and cable infrastructure installations within geographical turfs (Work includes cable placement to residential and business locations as well as equipment installations)
- Delegate and track work issued to AT&T Design Engineers to meet design specifications and service dates.
- Quality check engineering designs before released to construction
- Work closely with AT&T construction teams to monitor and assure projects meet timelines and customer service dates
- Work closely with property developers to provide new AT&T services to retail, residential, and businesses within the Raleigh area (single family homes, multi-dwelling units, townhomes, office buildings)
- Coordinate joint trench efforts with Duke Power to provide developments with new fiber services (Work includes regular meetings with Duke and Developers regarding new residential and business projects)
- Work with City of Raleigh, NC DOT, and new developers to relocate AT&T facilities due to new development and road widening projects
- Coordinate the relocation of AT&T facilities associated with Duke and AT&T telephone/power poles via NJUNS process
- Assisted with Damage Assessments in Wilmington North Carolina during Hurricane Florence restoration
- Projects and tasks are subject to strict deadlines and budgets

Engineer/T1 specialist, UC Synergetic, Raleigh, NC, July 2011 – April 2014

- Engineered/Drafted jobs to condition cable pairs for T1 service
- Engineered and Provided DPro design for T1 circuits for AT&T DPC
- Provided Engineering support for AT&T field technicians in order to meet strict customer installation dates
- Provided Engineering/Drafting support for employees within the AT&T Engineering department

Engineering Manager, ONUG Communications, Raleigh, NC, January 2011 – June 2011

- Served as the single point of contact between AT&T and ONUG Communications within the DPC
- Managed a group of eleven ONUG employees within the DPC, duties included: payroll, unit billing analysis, point of contact with AT&T management
- Provided Drafting/Engineering support within the DPC
- Quality Checked jobs submitted to AT&T
- Improved drafting process within DPC including quality and turn around of projects
- Engineered/Drafted jobs to condition cable pairs for T1 service

Engineer, RJE Telecom, Raleigh, NC, May 2010 – December 2010

- Engineered and Provided DPro design for T1 circuits for AT&T DPC
- Created drawings in BST CAD to condition cable pairs for T1 service
- Projects and tasks were subject to strict deadlines

Engineer, RJE Telecom, Raleigh, NC, August 2009 – May 2010

- Provided the design of T1/DSL circuits for CenturyLink
- Created drawings to condition cable pairs for T1/DSL service
- Projects and tasks were subject to strict deadlines

Engineer, RJE Telecom, Raleigh, NC, February 2006 – August 2009

- Designed/Drafted outside plant facilities for AT&T using BST CAD
- Engineered copper to fiber conversion for fiber to the cell site project at AT&T
- Met with potential customers to determine equipment placement and to locate existing facilities for the fiber to the cell site project
- Designed work orders to provide future business with telephone service
- Conducted meetings with building contractors to determine telephone facilities and AT&T BICS requirements for future service
- Projects and tasks were subject to strict deadlines

Draftsman, RJE Telecom, Raleigh, NC, July 2005 – February 2006

- Produced drawings of fiber optic systems using Micro Station and AutoCAD
- Projects and tasks were subject to strict deadlines

Summer Internship, Chamberlain Group, Ronkonkoma, NY, summer 2001 – 2003

- Created manufacture drawings from raw materials using AutoCAD
- Converted two dimensional drawings to three dimensional drawings using Autodesk Inventor
- Provided ECN revision releases for manufacture drawings and projects
- Projects and tasks were subject to strict deadlines

### **Classroom Experience:**

Physics, Calculus, Differential Equations, Economics, Statistics, Materials Science, Mechanics of Materials, Fluid Mechanics, Applied Thermo Dynamics, Theory of Machines, Robotics, Control Systems, Drafting, Advanced Solid Modeling, Heat Transfer, Spanish, Technical Writing, Computer Problems

### **Computer Skills:**

AutoCAD, Micro Station, BST CAD, Pro-Engineer, ARAMIS, Inventor, Microsoft Word, Microsoft Excel, OneNote, Powerpoint, Map Viewer, NJUNS, PACE, OSPCM

### **Professional Memberships:**

Phi Theta Kappa (National Honor Society)