Looking for a Career in Tech? Look to the United Association!

The United Association offers good paying jobs with great benefits, *and* apprentices get to work with pretty cool tech! Find out how the UA can help you build an exciting future, like Diana, Ashley, and Liz.

After college, Diana worked as a graphic artist. But when she relocated back home, Diana didn't find a job right away, so friends and family convinced her to give the UA a try.

With her background in graphic design and her previous experience in AutoCAD, the UA gave Diana the perfect opportunity to work both in the field and with CAD. This combination has given Diana a great deal of flexibility in her career.

Today, Diana's projects are in Revit, though they also utilize Bluebeam, BIM 360, and Navisworks. Because BIM and VDC require you to know so much about a project, it is a whole new world full of opportunities: "It's great to be a part of the future - the construction process is constantly evolving, and I'm thankful for the training opportunities the UA has provided me with to succeed."

Diana is also really excited to be part of the newly-formed tech team at her local. They are currently exploring new options, including pushing tech initiatives offering BIM classes, and implementing the 4D Technologies UA Curriculum.

Diana Lee
Local 601
Milwaukee & Madison, WI
Trade: Steamfitter
Job Title: Project Planner

Ashley Try
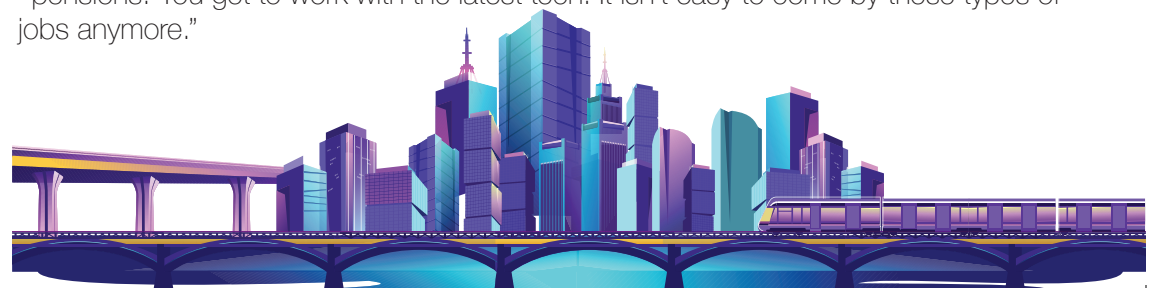Local 290, Tualatin, Oregon
Trade: Steamfitter
Job Title: CAD Manager

Seven years ago, Ashley discovered the UA apprenticeship program: "What drew me to it was the stability. …It's not just a job—you inherit a second family." Today, Ashley's local has even partnered with a community college so that apprentices earn an associate degree through the program.

Ashley originally worked in the field, but because of her background in AutoCAD and Navisworks, when she got the opportunity, she jumped at the chance to work in Revit: "It's just a matter of time before everybody is going to be using that platform. It's a lot easier to communicate with the engineers and architects, and it makes sense for the industry as a whole to go that direction."

She also sees tech becoming a more important part of both the construction industry and her local over the next few years. At work, they are utilizing the HoloLens on remodels, and at her local, they are providing each apprentice with a tablet. They also have a total station and are adding new software programs, including an emphasis on Navisworks.
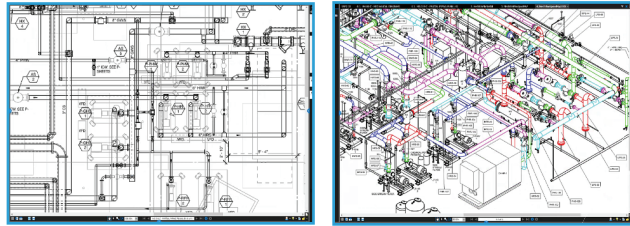
Ashley is excited that she found the apprenticeship program at the UA. "It's just really cool. You come out and get paid competitive wages, you have benefits, and pensions. You get to work with the latest tech. It isn't easy to come by these types of jobs anymore."

For years as a steamfitter, Liz was out in the field, working out of a service van and running small jobs. But when she needed a change of pace, Liz decided to learn CAD so that she could stay in the trades and still be part of the work that she loves.

Liz specializes in transforming projects from 2D into 3D with Revit. She also updates the plans to make sure that the final project will be easy to navigate and maintain. From the Revit model, Liz creates a PDF with color-coding, text, and dimensions, which is simple to read and use in the field.

Liz is also really excited about the use of total stations: "Back in the old days, we had to dimension every single hanger, and every single sleeve." Now, with total stations, they simply make a Trimble file and load it into the total station. It tells them where to add a little insert. They don't even have to drill after anymore!

Today, Liz is part of a group developing curriculum for the technology classes at her local. She is reviewing the 4D Technologies UA Curriculum, as well as developing classes for Blue Beam and Navisworks.

Liz Diesner
Local 32
Seattle, Washington
Trade: Pipefitter
Job Title: Pipe Detailer

Tech in the UA

— **BIM:** Building Information Modeling

— **VDC:** Virtual Design and Construction

— **AR/VR:** Augmented reality/virtual reality

— **Revit:** BIM/VDC authoring software

— **Navisworks:** Model review/coordination software

— **AutoCAD:** 2D/3D computer-aided design and drafting software

— **BIM 360:** Project delivery and construction management software

— **Bluebeam:** PDF review/coordination software

— **Total Station:** Surveying/layout instrument

— **Hololens:** AR/VR headset

4D Technologies UA Curriculum

All UA members get free access to the 4D Technologies UA Curriculum. Designed with UA members, for UA members, this 12-module Revit Core curriculum introduces you to powerful software that is revolutionizing the construction industry.

UA members also get access to the full CADLearning Autodesk training library for a special rate of just $70 per year.

Ready to learn more about a career in tech at the UA?

Scan the bar code or visit http://ua.org/join.

4D Technologies | CADLearning