

Understanding our Career Fields

GET FAMILIAR WITH OUR 18 CAREER FIELDS

#5 Urban Planning & Architecture

Why is this important?

The Urban Planning and Architecture career field gives interns the opportunity to support a wide range of tasks including CAD work, developing sample boards, perform technical analysis, support community development, and more. Participants wanting to expand their experience supporting city planning, technology applications to development, architectural firms, and environmental agencies will be able to work for start-ups and established consultancies, firms and mid-sized companies as they take on business support work and tasks directly related to Urban Planning or Architecture.

Key Skills you may learn

- Business Development
- CAD Design & Modeling
- Client Relations and Support
- Community Needs Assessment
- Copywriting – Website Blog
- Creating Presentation Materials
- Creative Design – Photoshop, Illustrator, InDesign
- Creative Writing
- Data Management – listings, clients, etc
- Financial Analysis & Forecasting
- Marketing
- Project Management
- Prototyping
- Research & Reporting
- Review architectural plans and specifications
- User Journey Flow
- UX/UI Design

Sample Future Careers

- ★ Historic buildings inspector/conservation officer
- ★ Town planner
- ★ Urban designer
- ★ Environmental manager
- ★ Sustainability consultant

Urban Planning & Architecture

Placement

Placement: 3D Visualizer @ Virtualways

Placement Career Field: Urban Planning & Architecture

Placement Country: Sweden

Project 1: 3D modeling a house in SketchUp that will be used for visualizations and 3D tours. That can be made by doing 360 panorama renders and then uploading them into a 360 panorama viewer. The furnishing part consists of placing furniture from our library and importing them into the Sketchup model.

Project 2: The project consists of uploading 360 panoramas on our own 360 viewer. In the viewer, the person has to sort the panoramas according to the correct sequence to create a consistent 3D tour throughout the property. In some cases, the project includes inputting and placing text information that is relevant to the property.

Project 3: Creating and drawing building permits drawings of smaller projects for the municipality. Revit is the preferable program but Sketchup or AutoCAD can also be used for these projects. Some basic architectural and drawing skills are required for this. The typical drawings consist of making extensions to existing medium-sized family houses.

Other Projects

Once some projects are finalized we can upload these cases to our website by placing images and texts. This requires some coordination to make it fit the website and to adjust the content for the website. Resizing and adjusting images on Adobe would be a skill that could help in these projects.

Please note: The projects and actual tasks may vary and can be discussed with your supervisor before and during your internship.

Skills You Will Learn

General Skills: Flexibility/Adaptability; Teamwork; Technical/computer skills

NACE Career Readiness Skills: Critical Thinking/Problem Solving; Professionalism/Work Ethic; Teamwork/Collaboration

Career Field Skills: CAD Design & Modeling; Creative Design - Photoshop, Illustrator, InDesign; Review architectural plans and specifications for accuracy