

SHIVAM MATHUR

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA
Master of Science, Construction Management
GPA – 3.70/4.0

Dec 2017

Vellore Institute of Technology (V.I.T University), India
Bachelor of Technology, Civil Engineering,
GPA 8.84/10.0

May 2014

WORK EXPERIENCE

Module, Pittsburgh, PA
Construction Analyst

Aug 2017 – Dec 2017

- Estimated the construction cost of residential modular projects using Autodesk Revit and RS Means 2017
- Performed financial feasibility analysis which helped in identifying optimal scale of the project
- Conducted thorough site analysis focused on zoning laws and construction permits

Squirrel Hill Urban Coalition, Pittsburgh, PA
Graduate Intern

May 2017 – Jul 2017

- Estimated the construction budget for a proposed multi-storied mixed-use residential project in Squirrel Hill, PA
- Conducted a need assessment survey to identify strategies for densification of Squirrel Hill Commercial District

Earth Infrastructures Limited, Delhi, India
Engineer – Projects

Aug 2014 – Jul 2016

- Reported directly to the Vice President regarding monthly technical audits of 11 different construction sites
- Supervised workmanship of civil and structural work, quality of construction materials and Contractor's Bill of Materials
- Ensured the accordance of work with the corresponding building codes and drawings
- Coordinated with the all the sites-in-charge on a monthly basis regarding the progress of their project

ACADEMIC PROJECTS

Urban Design Build Studio

Aug 2017 – Dec 2017

- Conducted cost-benefit analysis for the structural and mechanical systems to help design an energy efficient house
- Prepared a comprehensive project schedule and construction budget of a 1200 sq.ft single-family housing unit
- Prepared a project implementation manual highlighting the comprehensive background research of materials and design

Building Information Modeling Collaborative Project

Sept 2016 - Dec 2016

- Performed clash detection of Architectural, Structural and MEP drawings using Navisworks software
- Calculated quantity takeoff for a three-storied commercial building using Vico Estimator software
- Developed a detailed implementation schedule of the project using Synchro Pro software

COMPETITIONS

Synchro Software University Challenge, Finalist

Feb 2017 – Apr 2017

- Prepared a comprehensive site model for a mixed-use development project using Autodesk Revit
- Developed an efficient implementation schedule using Synchro Pro software
- Provided a cost benefit analysis highlighting the importance of the software in minimizing contingency cost of a project

ULI Hines Competition

Jan 2017

- Conducted a detailed site analysis of the project to identify the requirements of the neighborhood
- Prepared a detailed financial Pro Forma phased over 10 years to assess financial feasibility of the project

RELEVANT COURSEWORK AND SKILLS

Project Management for Construction, Building Information Modeling, Cost Estimation, Real Estate Design and Development, Urban Development, Strategy Management, Engineering Economics

Softwares – Primavera P6 (certified), MS Project, Autodesk Revit, Vico Estimator, Synchro Pro, Autodesk Navisworks