

Exponent®
Engineering & Scientific Consulting

Rubin Xu, M.B.A., M.E., PMP

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Professional Profile

Mr. Xu has six years of experience working on construction and utility projects as a program manager, project manager, and business project controls analyst. He has experience throughout the entire lifecycle of work in many stages of electric transmission and distribution programs and projects including asset replacement and maintenance from inception to closeout. Mr. Xu provides budget forecasting and analysis, change order management, critical path scheduling, subcontractor coordination, and data management support including reporting development and progress tracking. He also provides portfolio reporting services by developing databases and subsequent scorecards to track progress against key performance indicators across multiple programs. In addition, he has led program controls support on data centers construction.

Prior to joining Exponent, Mr. Xu worked for a general contractor providing project management support to hotel, multi-unit residential, and senior living facility projects. He is proficient with lean construction methods including pull-planning and was integral to improving information flow on his projects.

Academic Credentials & Professional Honors

M.B.A., Business Administration, Rice University, 2020

M.E., Construction Engineering and Management, Texas A&M University College Station, 2014

B.S., Civil Engineering, University of Louisiana Lafayette, 2013

Prior Experience

Corporate Strategy Intern, Whitestone REIT, 2019-2020

Office Engineer, Andres Construction Services, 2015-2018

Languages

Mandarin Chinese

Publications

Presentations

Program Dashboards: Project-Managed and Non-Project-Managed, 60th Western Winter Workshop, Del Monte Forest, CA, 2023

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Using Linear Regression Models to Estimate Future Project Costs, AACE Webinar, 2022

Benchmarking Tool, 59th Western Winter Workshop, Indian Wells, CA, 2022

Project Experience

Led program controls scheduling support for dozens of leased data centers. Worked with cross-functional teams to create, manage, and update program owner's schedules. Performed scenario modeling and analyzed changes and impacts of various scenarios.

Led program management support for three electric transmission line programs with a total annual budget of approximately $600M. Developed program-level dashboards and models to track progress and unit costs by contractor, region, and transmission lines. Enabled the client to achieve efficiencies, identify execution risks, and develop mitigation plans.

Supported several electric distribution poles programs with tracker development, updates, analysis, and reporting efforts.

Provided portfolio management support for a multi-year, multi-million dollar electric distribution project portfolio by gathering, managing, analyzing, and presenting more than tens of thousands project data points via SQL, Excel, SAP, and Power BI.

Developed unit cost estimate benchmarking tool for substation projects based on selected completed project scopes, actual costs, cost categories, actual hours, regions, schedule milestones, and complexity levels.

Performed financial research and analysis for REIT corporate strategy executives to provide insight into market performance and economic trends.

Managed $80M senior living project as part of onsite project management team. Developed, tracked, and adjusted project schedules based on past and forecasted construction activities. Managed subcontractor trades using lean-construction coordination methods such as pull-planning. Maintained communications and solved conflicts with design teams to minimize information flow duration.

Office engineer for $36M hotel and apartment renovation project. Responsible for developing and tracking construction schedule using lean construction methods, coordinating subcontractor task assignments and coordination.