

## PROJECT CONSULTANT • ANALYST • SENIOR ESTIMATOR

Analytical, detail-oriented leader with experience guiding projects toward high quality, on time, on budget completions. Organized professional who spearheads cost estimating, risk mitigation, and data analysis activities, and uses insights to identify opportunities to positively influence the outcome of client projects. Highly credentialed self-starter with strong interpersonal skills who strategically balances multiple tasks simultaneously and thrives in fast-paced environments.

### PROFESSIONAL EXPERIENCE

STRATEGIC ESTIMATING SYSTEMS, LLC (Houston, TX)

**Senior Estimator | Project Consultant**

**July 2021 – Present**

**Associate Estimator | Project Consultant**

**August 2019 – July 2021**

*Lead activities in the project management life cycle with a focus on efficiency, accuracy, and continuous improvement. Handle data analysis, estimates, risk mitigation, benchmarking, and team training. Identify opportunities to enhance performance outcomes and work collaboratively to ensure projects are completed within given timelines and budgets.*

- Provide estimating consulting services in the oil and gas, petrochemical, chemical, metals and mining industries utilizing Aspen Capital Cost Estimator (ACCE)
- Manage estimates ranging from \$10M to \$1.1B to support clients in the oil and gas industry
- Developed an automated MS Excel benchmarking tool to optimize workflow efficiency and meet client goals
- Saved time for clients when designing level 3 schedules by implementing a new technology tool
- Performed high level engineering, procurement, and construction schedule analysis to identify potential risks
- Authored new training manuals to teach estimators how to efficiently perform manual P&ID take-offs
- Operated as the Lead Consultant on projects for several Fortune 500 clients

SICE, INC. (Houston, TX)

**Project Engineer Intern**

**July 2017 – January 2019**

*Collaborated with project managers to support projects for the Texas Department of Transportation and Harris County Toll Road Authority. Prepared bids and estimates, performed field inspections, coordinated with vendors, worked with subcontractors, and compiled reports. Collaborated with the team to proactively solve problems and meet deadlines.*

- Analyzed data and helped with the development of intelligent traffic systems, as well as electronic toll collection systems
- Used AutoCAD to create accurate construction drawings and schematics, which avoided rework time
- Monitored all estimates, budget plans, and cost calculations with attention to detail

BURNS & MCDONNELL (Houston, TX)

**CAD Operator | Electrical Drafter**

**August 2015 – January 2016**

*Created detailed electrical and structural drawings that aligned with client specifications to support major projects in the transmission and distribution space. Established effective working relationships with stakeholders to meet client deadlines and budgets.*

- Produced and modified drawing packages for American Electric Power projects with valuations exceeding \$3M
- Collaborated with 2 senior designers and 3 senior Engineers throughout the design and drawing process
- Adhered to all company policies and procedures, and contributed to a safe work environment

CDI CORPORATION (Houston, TX)

**Civil/Structural Designer**

**April 2012 – April 2015**

*Developed, reviewed, and updated construction documents to support major projects. Implement a detail-oriented approach to proactively identify problems and mitigate risks, as well as minimize rework on the backend. Coordinated with senior engineers to produce plans and craft designs that accounted for engineering requirements.*

- Worked on large-scale downstream petro-chemical process plan projects in excess of \$300M
- Developed 3D models and 2D drawings for clients such as Shell, Solvay, Total, and Kinder Morgan
- Delivered all drawings in accordance with client, corporate, and national standards and specifications

### NOTABLE PROJECTS

LUCITE INTERNATIONAL | MITSUBISHI CHEMICAL METHACRYLATES

**Project Genesis Methyl Methacrylate Plant in U.S. Gulf Coast** 2021

Estimate Class: AACEI Class 3 (+/- 20%) Estimate

TIC: Confidential

- Utilized MTOs from an engineering contractor to complete a full TIC estimate using ACCE
- Led estimate reviews, benchmarked data against comparable projects, and input data for quality control
- Ensured that labor pricing and field productivity rates aligned with project specifications and goals

CHEVRON PHILLIPS CHEMICAL COMPANY (CPCHEM) | QATAR PETROLEUM

**Ras Laffan Petrochemical Project in Qatar** 2020

Estimate Class: AACEI Class 4 (+/- 40%) Estimate

TIC: \$900M

- Directed a full TIC estimate using ACCE and delivered detailed reports to project stakeholders
- Disseminated work to associates, performed QA/QC, and benchmarked the estimate against other projects
- Ensured that labor pricing and field productivity rates aligned with those found in Middle East project rates

SAMSUNG ENGINEERING AMERICA | SCIENTIFIC DESIGN, INC.

**High Purity Ethlyne Oxide Plant in Germany** 2020

Estimate Class: AACEI Class 4 (+/- 40%) Estimate

TIC: \$300M

- Served as Lead Estimator and completed the full TIC estimate using ACCE
- Benchmarked estimate against comparable projects in the European region
- Ensured that labor pricing and field productivity rates aligned with other industrial projects in Germany

METHANEX CORPORATION

**G3 Project in Geismar, LA** 2020

Estimate Class: AACEI Class 2 (+/- 10%) Estimate

TIC: \$800M

- Performed an independent estimate analysis against the SES estimate and handled all benchmarking
- Authored a report identifying gaps and discrepancies, and presented findings directly to the owner

## EDUCATION & CREDENTIALS

UNIVERSITY OF HOUSTON | **Bachelor of Science, Mathematics – Finance Option** December 2021

UNIVERSITY OF HOUSTON | **Bachelor of Science, Construction Management** December 2018

Minor in Business Administration | Emphasis on Process and Industrial Construction | *summa cum laude*

HOUSTON COMMUNITY COLLEGE | **Associate in Applied Science, Electro-Mechanical Design** 2015

AMERICAN INSTITUTE OF CONSTRUCTORS (AIC) | **Associate Constructor Certificate** 2018

OSHA | **30 Hour Construction Certification** 2018

ASSOCIATION FOR THE ADVANCEMENT OF COST ENGINEERING INTERNATIONAL (AACEI) | **Active Member** 2019 – Present

## ACTIVITIES

NATIONAL INTERCOLLEGIATE SOCCER OFFICIALS ASSOCIATION | **Referee** 2012 – Present

*Officiate division 1 men's and women's soccer matches at a regional and national level.*

## TECHNOLOGY TOOLS

Aspen Capital Cost Estimator (ACCE) • MATLAB • R Studio • @Risk (Palisade) • AutoCAD • MicroStation • SolidWorks • Inventor • Oracle Primavera • Microsoft Office Suite (Word, Excel, PowerPoint, & Outlook)