

Mac Malik

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UNIVERSITY OF ILLINOIS CIVIL ENGINEERING GRADUATE

Structural Analysis, Project Management, Engineering Consulting & Computation Analysis

Technical Focus: 2+ years of exp. in civil design including site plans, grading plans, structural steel & concrete, bridge design and computer models

Finance/Planning Oriented: Helped in securing \$3 Million in new contracts as civil estimator; background in cost scheduling, CPM, bid scheduling and cash flow analysis, studying RFIs and contracts; Using P6 for project schedules

Innovation Performance: Awarded \$3600 as engineering researcher for solving complex problems under strategic direction of PhD students

EDUCATION

University of Illinois at Urbana Champaign

B.S. Civil Engineering (Dean's List honors; Core GPA: 3.28)

May 2015

Concentration – Structural Engineering, Construction Management

Certifications – Plan to achieve EIT certification within two months of employment

PROFESSIONAL EXPERIENCE

Civil Estimator - A&R Services Inc., Urbana, IL

[08/15 - 10/15]

(Layoff due to company downsizing; Reference available from VP)

- Helped to secure \$ 3 Million+ contracts by using updated estimating systems; redesigned estimating system by establishing internal controls to eliminate variances and improve integrity of available financial data.
- Slashed equipment maintenance costs by 28% by helping project manager in identifying obsolete inventory on contractual service agreements

Civil Engineer intern - THD Design Group, Chesterfield, MO

[05/14 - 08/14]

- Developed 4 sets of specifications and site development plans including grading plans and pavement plans using Civil 3D and Microstation
- Prepared \$18000 estimates for ground work; assisted project managers with field inspections, construction oversight and surveying
- Created cross-functional engineering team that conducted time studies and developed process documentation to increase work efficiency

Structural Engineer intern - Structural Engineering Research Group, Urbana, IL

[01/13 - 08/13]

- Worked with 3 PhD candidates in the UIUC structural engineering dept. on structural optimization research for high rise structures
- Assisted PhD students in preparing 30+ presentations and 3 research posters; Catalogued results from experimental data weekly
- Generated 1500+ computer generated models to study steel design optimization, increased speed of computer models by 25%

Solution Consultant intern - Alliant Group, Houston, TX

[05/12 - 08/12]

- Processed 15+ contracts of identifying tax incentives for clients by implementing technical solutions within the company's framework
 - Met tight 12 week schedule for identifying project specs, performing research & analysis of client data for all of the clients allotted
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LEADERSHIP PROFILE

Organization Growth & Industry Reach

Engineers Association UIUC

Vice President – Structural

Challenge To ensure faster growth of the organization and establish sustainable relationship with industry and UIUC Structures faculty

Actions Differentiated from other student organizations by marketing core competencies and offerings that were difficult to replicate.

Leveraged access to industry professionals, industry events, alumni and faculty to attract future paying members.

Results Initiated campaign that created 39% increase in paid membership. Led exclusive 15 member visits to top Chicago design firms
SOM and *HNTB* in both 2014 and 2105. Organized fully paid 15 member visits to '*AISC National Steel Conference*' in 2014 and
2015; Implemented 10+ Professor Luncheons. Presided over 20+ tutorials and workshops for SAP2000, AutoCAD and Civil3D

AFFILIATIONS

SEAOI - *Structural Engineers Association of Illinois*
ASCE - *American Society of Civil Engineers*
CMAA - *Construction Managers Association of America*
ITE - *Institute of Transportation Engineers UIUC Chapter*