

# KUMIL ALI

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## Education

**Bachelor of Engineering (B.Eng.): Civil Engineering**  
SUNY Stony Brook - Stony Brook, NY

Expected Class of 2021

## Work Experience

### Lead Graphic Designer

July 2017 - Present

Excel Visual Solutions - Woodside, NY

- Managed all phases of 14 new product developments, including conceptualizing designs, managing milestones and incorporating customer feedback which increased revenue by 12%.
- Built corporate brands by designing cohesive looks between elements such as logos and letterheads.
- Prepared and reviewed design specifications, scopes of work, schedules of payments and other documents.
- Worked with clients to gather and define requirements, establish scopes and managing project milestones that enabled a 25% faster turn around.

### Graphic Design Intern

Jan. 2016 - July 2017

Union Sign and Graphics - Flushing, NY

- Contributed design ideas in early planning stages with customers and project managers.
- Developed creative design for marketing packages, including print materials, brochures, banners and signs which led to a 25% uptick in consumer demand.
- Designed creative digital displays used in on-line advertising for local businesses.

## Technical Skills

- Programmed in HTML, CSS, Java, Python, Matlab and Minitab.
- Proficient in Microsoft Access, Visio, Excel, Project, Word, Jira, Adobe Creative Suite and CorelDraw.
- Competent in AutoCAD, Revit, SolidWorks, Fusion 360

## Extra Curricular Activities

### Mix & CAD Design Lead

Feb. 2018 - Present

American Society of Civil Engineers (Stony Brook Chapter) - Stony Brook, NY

- Oversaw design and construction of Stony Brook's Concrete Canoe by computing the required amount of aggregates and materials needed for construction whilst obtaining quotes for project materials.
- Created baseline CAD models to highlight the design and layout of Concrete Canoe.
- Computed load requirements, materials stress factors to determine design specifications.

### Project Co-Lead

Sept. 2018 - May 2019

Steel Bridge Design - Stony Brook, NY

- Created the overall shape and geometry of the bridge by analyzing various loads and determining safe section sizes, connections, and member sizes.
- Computed preliminary structural analysis in Autodesk Fusion 360 to ensure the bridge does not fail under any load case.

### Logistics Coordinator

Sept. 2018 - May 2019

Centriseed Innovations - Stony Brook, NY

- Participated in the design and analysis of solar-powered charging stations in refugee camps in Uganda.
- Networked with various sustainability organizations to undertake new projects for the Stony Brook Campus.
- Ensured that the quality of team research and progress met required standards increasing project completion by 20%.

## Recent Projects

### Town of Riverhead Class A Biosolids Feasibility Study

Aug 2020 - Present

- Conduct a feasibility study by analyzing and determining the most cost effective method to achieve Class A Biosolids designation to be able to reuse the material for local businesses as a soil amendment and to reduce current disposal costs in the Town of Riverhead's Watewater treatment facilities.

### Design of Vertical Mound Structures

Dec. 2020

- Design of a vertical-front and sloping rubble mound structure facility to protect and maintain various operations that occur off the coast of a Barrier island that can withstand a combined 500-year wave and storm event.