



ABDELGADIR  
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### OBJECTIVE

To work in an environment  
that challenges me to improve  
and constantly thrive for

### EXPERIENCE

TEACHING ASSISTANT  
2002 – 2007

*Responsible for:*

- *Performing teaching or teaching-related duties to assist faculty members, professors, department heads and other faculty*
- *Proctors exams*
- *Grades tests and homework, and records grades in grade book*
- *Assigns material in class as needed.*

ASSISTANT PROFESSOR  
Dec-2012 – Till Now

*Responsible for:*

- *Teaching courses in the discipline area of civil engineering*
- *Developing and designing curriculum plans to foster student learning*
- *Stimulate class discussions*
- *Ensures student engagement*
- *Provides tutoring and academic counseling to students*
- *Maintains classes related records*
- *Assesses student coursework*
- *Collaborate and supports colleagues regarding research interests and co-curricular activities and reports to a department head*
- *Attend department meetings*
- *Supervise program of study of undergraduates*

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## SUMMARY

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*Profoundly knowledgeable, creative, analytic and detail oriented civil engineering teacher with good background in making contributions to teaching effort of a university and carrying out activities to maintain the develop scholarship, research and professional activities relevant to civil engineering*

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## SUMMARY OF QUALIFICATIONS

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*More than 18 years' experience;*  
*Strong research background;*  
*Strong analytical and numerical skills;*  
*Good ability to work as a part of a team;*  
*Profound ability to communicate well both orally and in writing;*  
*Great commitment to total undergraduate development in the professional context of academy;*  
*Great commitment to growth and development in research, services, and other scholarly activities;*

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## ENGINEERING ADMINISTRATION DIRECTOR

Jan-2014 – June 2016

*I held the position of the director of the Engineering administration at the Nile Valley University for more than two years. I was responsible for:*

- *manage, design, develop, create small-scale through to large-scale construction projects in a safe, timely and sustainable manner*
- *conduct on site investigations and analyze data (maps, reports, tests, drawings and other)*
- *Establishing a project brief and budget proposals before the start of a project*
- *carry out technical and feasibility studies and draw up blue prints that satisfy technical specifications*
- *assess potential risks, materials and costs*
- *Provide advice and resolve creatively any emerging problems/deficiencies*
- *Oversee and mentor staff and liaise with a variety of stakeholders*
- *Attending regular multi-disciplined meetings to discuss projects*
- *Monitor progress and compile reports in project status*
- *Regularly checking progress of works according to the schedule*
- *Performing regular site visits, inspections, audits and surveys*
- *Comply with guidelines and regulations including permits, safety etc... and deliver technical files and other technical documentation as required*

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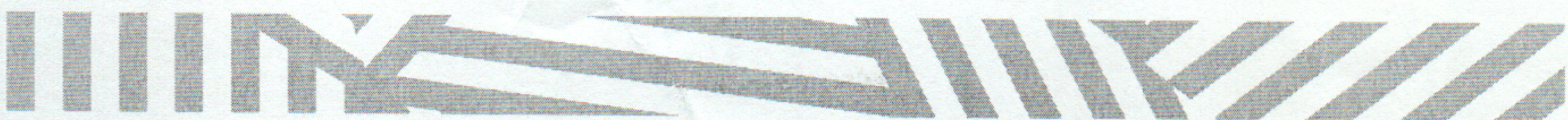
## EDUCATION

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PHD

*Department of Bridge and Tunnels, Hohai University,  
P.R.China*

*Thesis: Computational Study of Concrete Filled Steel Tubular Columns under Axial and Combined Loading.*



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*Good ability to publish in local and international journals;*

*Immense interest in collaborating with industry and other academic /research institutions;*

*Sound interest in educational innovation, using computer-supported project-based learning techniques.*

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#### SKILLS

**Communication:** *I have a proven ability in effective communication, diagrammatically, verbally and in written form. I have successfully communicated, liaised and worked with various professionals from all backgrounds and with a variety of different skill sets.*

**IT and Design:** *I have good working knowledge of the following computer programs: Microsoft Office packages, Computer and Structures packages, STAAD PRO, ROBOT, ANSYS, SolidWorks, My house, WaterGEMS AutoCAD 2D/3D, , REVIT, SketchUp, Adobe Photoshop and Illustrator.*

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#### MSc

*Department of Bridge and Tunnels, Hohai University, P.R.China*

*Thesis: Static Analysis of Plates and Bridges Using Finite Prism Method.*

#### BSc

*Department of Civil Engineering, Faculty of Engineering, Nile Valley University, Atbara-Sudan*

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#### SUBJECT TAUGHT

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- *Surveying*
  - *Strength of Materials*
  - *Applied Mechanics*
  - *Theory of Structures*
  - *Finite Element*
  - *Structural Optimization*
  - *Bridge Analysis and Design*
  - *Design of Reinforced Concrete structures*
  - *Design of Steel Structures*
  - *Project Planning and Management*
  - *Building Materials*
  - *Concrete Technology*
  - *Estimation and Quantity Surveying*
  - *Soil Mechanics*
  - *Foundation Engineering*
  - *Construction Engineering*
  - *Computer Applications in Civil Engineering*
  - *Applied Mathematics and Numerical Analysis*
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#### PROFESSIONAL TRAINING AND QUILIFICATIONS

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*I have attended a number of training courses its details as follows:*

- *the initial course in educational development (December 2013)*
  - *leadership preparation course (2015)*
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**Management:** I have good ability to mentor, develop, inspire and lead groups of people to achieve the objectives set by the organization. I am a friendly, approachable and inspiring professional and I lead my team by example.

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- *the first course in GIS application in civil Engineering (2017)*
- *the initial course in strategic planning (2018)*
- *WaterGEMS software for the design of water treatment plants and water distributions networks (September 2018)*
- *The country course on training trainers in the field of entrepreneurship for Nile Valley University organized by the Arab League- Arab Organization for Agricultural Development in Cooperation with the Nile Valley University (March-2020)*

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#### VOLUNTEER EXPERIENCE OR LEADERSHIP

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- *Editor-in-chief of the Engineering Sciences Journal.*
- *The first president and founder of the Sudanese students union in the provinces of eastern China- 2010-2012.*

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#### PAPERS PUBLISHED IN JOURNALS

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- *Static analysis of plates and bridges using finite prism method, paper science online, 2007*
- *The behavior of lightweight aggregate concrete filled steel tube columns under eccentric loading, Steel and Composite Structures, 2011, Vol.11, No. 6, pp. 469-488.*
- *Flexural behavior of lightweight aggregate concrete filled steel tube, Advanced steel construction, 2014, Vol.10.No.4, pp. 385-403.*
- *Axial capacity of lightweight aggregate concrete filled circular steel tubes columns subjected to eccentric loading, Journal of the Sudanese Engineering council , 2016*