



Profile



Nebo Allen M. Torres

Geodetic Engineer /
Surveyor

Name: Nebo Allen M. Torres
 Date of birth: November 2
 Address: NSW, Australia
 Phone: 0435 768 163
 Email: torres.neboallen@gmail.com
 Website: <http://neboallen.info>

To engage in reputable work that will provide avenues for integration and application of my skills as a Surveyor/Geodetic Engineer and find opportunities for career growth and advancement.

I am a Licensed Geodetic Engineer in the Philippines who garnered Top Number 1 in the Professional Regulation Commission Licensure Examination wayback September 2007.

Equipped with more than 15 years international experience in the field of Land and Construction Surveying in both site and office works.

Exposed with the use of industry standard applications and softwares. Worked under major International Construction Companies with multibillion Iconic Projects around the world.

Field of Expertise:

- Land and Construction Surveying (FieldWorks, Calculations and Management)
- AutoCad Drafting, 3D Modeling and Programming
- AutoCad Civil 3D
- MS Excel VBA Programming and Automation
- 12D Model Chain and Macro Automation
- Leica Cyclone 3DR
- Web Scraping and Data Extraction
- Application Programming
- HTML Parsing
- MS Office Automation



Resume



– EMPLOYMENT HISTORY

Veris Australia Pty Ltd
Engineering Surveyor

Sep 2022 -
Present

Project: **M6 Stage 1 Motorway**, Sydney, Australia

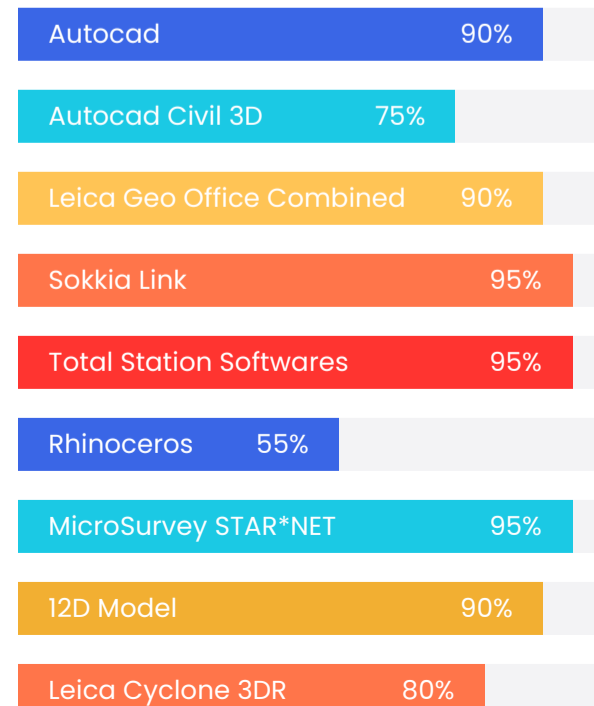
Character Reference:

- Matthew Williams <M.Williams@veris.com.au> Technical Director

Tunnel Excavation

- Managing and Controlling Survey Documentation to Statutory Authorities (TfNSW) and Project Guidelines.
- Providing expert advice on survey tasks.
- Scanning and Point Cloud Processing for Tunnel Models.

SURVEY RELATED APPS



- Automate Workflows by creating 12D Macros and Leica Cyclone 3DR Scripts.
- Control and Level Run.
- Monitor prism arrays inside the tunnel in a high precision manner.
- Calibrate RoadHeaders and RoboDrills.
- Setup VMT Guidance System (Total Station, Central Box, TUNIS Navigation Office, XML Files, etc.)
- Troubleshoot Network problems between the Guidance System and RoadHeaders + RoboDrills.
- AsBuilt Tunnel Elements (Excavation – roof, wall and bench, Shotcrete layers, Strip Drains, etc.)
- Set-out Tunnel Elements (services pin holes, gridlines, fresh air vent bag knocker lines, etc.)

Final Lining

- Automate Reporting Workflows by creating MS Excel and 12D Macros.
- Calculate and Generate Final Lining Checker for Engineers to review.
- Calculate and Generate Points with Waviness and Thickness Criteria.
- Calculate and Generate Section Plots.
- Maintain, Debug and Optimize Macro used for calculations.
- Calculate and Generate Points and Trimeshes for Cutting Pins Set-out.
- Maintain and Update Final Lining Database (12D and 3DR)
- Delegate Daily task to Site Surveyors.
- Coordinate with Site Surveyors, Site Supervisors and Engineers.



Lynton Surveys
Surveyor

Jun 2020 – Jul
2022

Project: **WestConnex M4-M5 Link Tunnels Project**, Sydney, Australia

Character Reference:

- Aaron Williams <awilliams@lyntonsurveys.com.au> LS Director

Tunnel Excavation

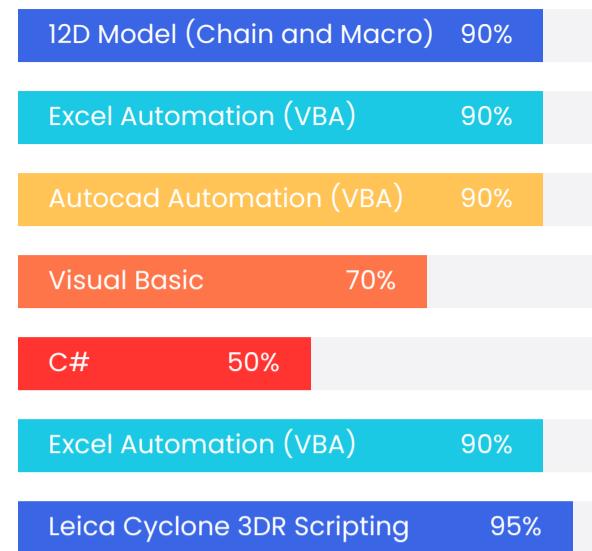
- Establish Control Points.
- Monitor prism arrays inside the tunnel in a high precision manner.
- Calibrate RoadHeaders and RoboDrills.
- Setup VMT Guidance System (Total Station, Central Box, TUNIS Navigation Office, XML Files, etc.)
- Troubleshoot Network problems between the Guidance System and RoadHeaders + RoboDrills.
- AsBuilt Tunnel Elements (Excavation – roof, wall and bench, Shotcrete layers, Strip Drains, etc.)
- Set-out Tunnel Elements (services pin holes, gridlines, fresh air vent bag knocker lines, etc.)



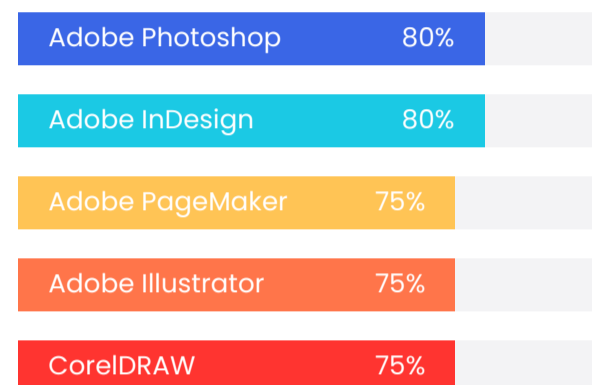
Back-End Works

- Set-out Tunnel Elements.

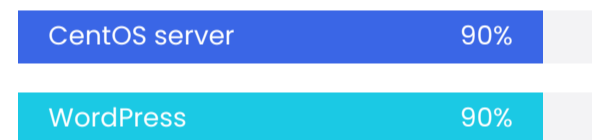
PROGRAMMING



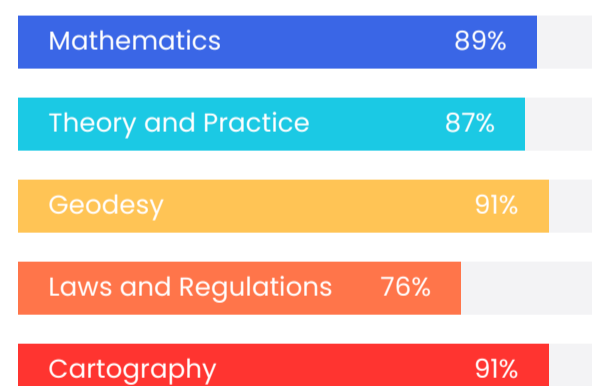
GRAPHICS DESIGN



VPS WEBSITE DEPLOYMENT



PRC BOARD EXAM RATING



LANGUAGES



- AsBuilt Tunnel Elements.



**BACS Consortium (Bechtel AlMabani
CCC Siemens)**
Surveyor

Jan 2016 – Dec
2018

Project: **BACS Riyadh Metro Project**, Riyadh, KSA

Character Reference:

- Eduardo B. Dela Cruz <ebdelacr@bechtel.com> Bechtel Field Engineering
- Roberto D. Lopez <rdlopez@bechtel.com> Bechtel Field Engineering

Cast-in-Place Balanced Cantilever

- Establish Control Points.
- Calculate 3D Survey data needed for site works.
- Set-out site elements like Centerlines, Temporary Openings and Ducting.
- Calculate Cambered Elevations for individual spans.
- Discuss with Site Engineers the site plans and operations.



Segment Erection

- Process Survey Work Request.
- Calculate and prepare Cambered as-cast data coordinates for site surveyors alignment work.
- Create AutoCad Sketch and Plan for AsBuilt and Verification purposes.
- Process Span Final Alignment report in Autocad and Excel Spreadsheet.
- Create and maintain Span Alignment Database.
- Manage survey crew for 5 Launching Gantry in dayshift and nightshift.

PreCast Yard

- Automate Survey data processing by making MExcel programs and tools.
- Weekly Calibration of Total Stations (Trimble S8).
- Process Survey Work Request.
- Conduct pre-pour Alignment Survey of Segments to be Casted by using Total Station and Digital Level.
- Prepare pre-pour Survey Reports for transmittal.
- Create and maintain casted segments Database. With pivot table, graphs and projection.
- Act as a Lead Surveyor in absence of the Lead Surveyor.
- Follow always the Health, Safety and Environment (HSE) rules carefully and making sure that the working place is safe.



seele Saudi Arabia LLC
Surveyor

Dec 2013 – June 2015

Project: **King Abdulaziz Center for World Culture (KACWC)**,
Dhahran, KSA

- Manage and supervise other survey teams, give them daily instructions and task to be executed in the site with the approval of the Construction Manager.
- Establish Survey Methodology.
- Make calculator programs needed for site survey calculations.
- Automate Survey data processing by making Excel programs and tools.
- Establish and monitor 3-dimensional control points for the project site using Leica Geo Office software.
- Extract data coordinates from AutoCAD and Rhino files for site setting-out.
- Prepare Survey Reports for transmittal.
- Joint Survey with other contractor's survey department.
- Follow always the Health, Safety and Environment (HSE) rules carefully and making sure that the working place is safe during the entire construction period.



seele Saudi Arabia LLC
Surveyor

Dec 2011 – Dec 2013

Project: **King Abdullah Petroleum Studies and Research Center (KAPSARC)**, Riyadh, KSA

- Manage and supervise other survey teams, give them daily instructions and task to be executed in the site with the approval of the Construction Manager.
- Establish Survey Methodology.
- Make calculator programs needed for site survey calculations.
- Automate Survey data processing by making Excel programs and tools.



- Establish and monitor 3-dimensional control points for the project site using Leica Geo Office software.



- Extract data coordinates from AutoCAD and Rhino files for site setting-out.
- Prepare Survey Reports for transmittal.
- Joint Survey with other contractor's survey department.
- Follow always the Health, Safety and Environment (HSE) rules carefully and making sure that the working place is safe during the entire construction period.



Fortune Pacific General Contracting

Survey Engineer / Land Surveyor

Jul 2010 - Mar 2011

Project: **St. Regis Beach Resort Saadiyat Island**, Abu Dhabi, UAE

Client: Warner Land Surveys Ltd.

- Establish horizontal and vertical control points for the project site.
- Setting-out of various points, gridlines and elevations needed on the site.
- As-built survey for the coordinates and elevations of existing structures and processing the data to create an updated As-built drawing for future reference.
- Extract data (coordinates and elevations) from CAD files for setting-out.
- Download and upload, import and export survey data from survey instrument to personal computer or other way around. And counter checking of survey data calculation in compliance to project drawings and specifications prior to concreting.
- Check the survey instruments like TOTAL STATION, GPS, and LEVELLING INSTRUMENT, etc. following with the standard accuracy. Verifying the collimation and instrument calibration from time to time.
- Follow always the HSE (Healthy and Safety Environment) rules carefully and making sure that the working place is safe during the entire construction period.
- Follow a Systematic Method of obtaining data and using only updated specification and latest revision drawings. (Wrench Enterprise)
- Double check the drawings before executing, if any comments found, cross check with all relevant (structural, architectural,



setting out plans) drawings and finalized the correct one with the concern higher authorities.

- Topographic surveying with contour, area and volume (cut and fill) calculations using Surveying Software (LisCad, Autodesk AutoCAD Land Desktop 2009 and Autodesk AutoCAD Civil 3d 2011).
- GPS Static control points establishment.
- GPS Real Time Kinematic (RTK) setting-out and asbuilt survey.



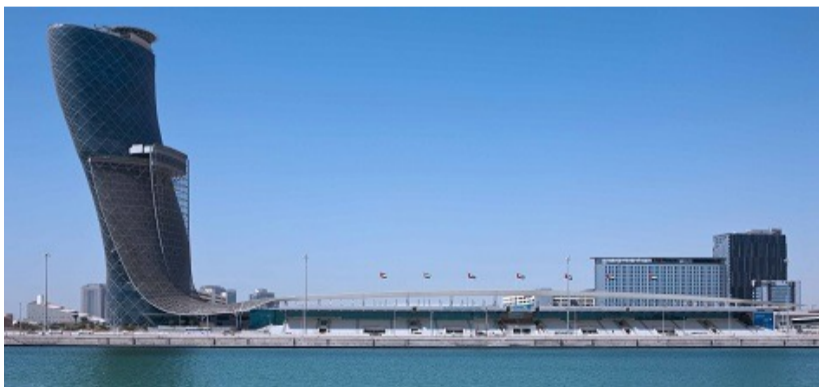
Fortune Pacific General Contracting
Architectural Site Surveyor

Feb 2010 – Jun 2010

Project: **ADNEC Capital Gate Tower** Entrance – The leaning tower of Abu Dhabi.

Client: Waagner Biro International

- Establish horizontal and vertical control points in coordination with the structural surveyors.
- Joint survey with the main contractor survey team.
- Extract data (coordinates and elevations) from latest CAD files for setting-out.
- Setting-out of Steel Column base, Steel Beams & Brackets and other elements needed by the installation team.
- Alignment / As-built survey of steel structure, prior to installation of glass.
- Direct report to the Construction Manager.



Fortune Pacific General Contracting
Architectural Site Surveyor

Mar 2009 – Feb 2010

Project: **MASDAR Institute of Science and Technology**, Abu Dhabi, UAE

Client: Reem Emirates Aluminum (REA)

- Establish horizontal and vertical control points in coordination with the structural surveyors.
- Joint survey with the main contractor survey team.
- Extract data (coordinates and elevations) from latest CAD files for setting-out. Compare embeds and bracket lay-out



drawing and make RFIs if necessary.

- As-built survey of slab edge, prior to installation of brackets.
- Mark benchmarks, offset lines on the slab edge for the reference of the bracket and panel installation teams.
- Setting-out of embed and bracket centerlines.
- Check the level and the in/out of the bracket, check the level of the gutter head after panel installation, check the distance from the back of mullion to offset line if it is within allowable tolerance.
- Setting-out of any other elements needed by the installation team.
- Direct report to the Construction Manager.
- Manage other survey teams, give them daily instructions and task to be executed in the site with the approval of the Construction Manager.



**ALDAR Laing Rourke
Construction LLC UAE**

Junior Land Surveyor

Feb 2008 - Mar 2009

Project: **ASYMPTOTE TOWER** and **AL BANDAR (Al Raha Beach Project)**, Abu Dhabi, UAE

- Establish horizontal and vertical control points for project site.
- Systematic transferring horizontal and vertical control points from one floor to another maintaining the accuracy.
- Setting-out of various points, lines and elevations needed on the site.
- Pre-pour check/verification of line and grade for various structural concrete foundations and embedded items in accordance to design drawing & project specifications.
- As-built survey for the coordinates and elevations of existing structures and processing the data to create an updated As-built drawing for future reference.
- Extract data (coordinates and elevations) from CAD files for setting-out.



- Download and upload, import and export survey data from survey instrument to personal computer or other way around. And counter checking of survey data calculation in compliance to project drawings and specifications prior to concreting.
- Check the survey instruments like TOTAL STATION, GPS, and LEVELLING INSTRUMENT, etc. following with the standard accuracy. Verifying the collimation and instrument calibration from time to time.
- Follow always the HSE (Healthy and Safety Environment) rules carefully and making sure that the working place is safe during the entire construction period.
- Follow a Systematic Method of obtaining data and using only updated specification and latest revision drawings. (Aconex)
- Double check the drawings before executing, if any comments found, cross check with all relevant (structural, architectural, setting out plans) drawings and finalized the correct one with the concern higher authorities.
- Monthly Settlement Monitoring of benchmarks within the site to track changes of elevation within the construction area and make the necessary adjustments.



– EDUCATION

Negros Oriental State University (NORSU)

June 2002 – March 2007

Bachelor Of Science In Geodetic Engineering

- **1st PLACE** in the Professional Regulation Commission Licensure Examination in Geodetic Engineering (September 2007)
- PROFESSIONAL REGULATION COMMISSION (PRC) **License No. 0008069**

Board Examination Ratings

SUBJECTS	RELATIVE WEIGHT	RATINGS
Mathematics	20	89%
Theory and Practice of Surveying	20	87%
Geodesy	20	91%
Laws and Regulations	20	76%
Cartography	20	91%






– CO-CURRICULAR ACTIVITIES / SCHOLARSHIP



Geodetic Engineering Student Society President	2006 - 2007
The PYLON (Official Yearbook on NORSU System) Information Management Head	2005 - 2007
The PYLON (Official Yearbook on NORSU System) Recipient Of The Pylon Scholarship (5-Year Engineering Course)	2002 - 2007
Geodetic Engineering Student Society Auditor	2005 - 2006
ROTARACT CLUB OF NORSU Treasurer	2004 - 2005
Geodetic Engineering Student Society Business Manager	2004 - 2005
The PYLON (Official Yearbook on NORSU System) Lay-Out Artist	2003 - 2005
NORSU Student Multi-Purpose Cooperative Board Member	2003 - 2004
The PYLON (Official Yearbook on NORSU System) Business Manager	2002 - 2003

– CERTIFICATES AND AWARDS

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