**Aidos makhanov**

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**EDUCATION**

**UNIVERSITY OF ILLINOIS** Urbana-Champaign, IL

M.S. in Geographic Information Science Candidate, December 2020

Illinois Professional Science Master’s Concentration

**THE KORKYT ATA STATE UNIVERSITY** Kyzylorda, Kazakhstan

M.S. in Construction June 2015

**AL-FARABI KAZAKH NATIONAL UNIVERSITY** Almaty, Kazakhstan

Bachelor of Technics and Technologies in Geodesy and Cartography June 2012

**EXPERIENCE**

**John Deere Company** Champaign, USA

**GIS Intern** June 2020- August 2020

* Implemented project on detecting object from aerial images for golf courses and wind turbines.
* Trained deep learning model for object detection in ArcGIS Pro platform
* Reviewed and compared scientific literature materials about machine learning and deep learning tools.

**RSE “KAZVODHOZ” KYZYLORDA BRANCH** Kyzylorda, Kazakhstan

**Head of the Topography Department** January 2017- July 2018

* Managed 15 people in the department and supervised their work quality.
* Obtained required permits for buildings and assisted in regularization.
* Planned and monitored survey activities and ensured compliance to contracts.
* Obtained approval and submitted survey documents as per state and local regulations.
* Maintained notes and records for survey conducted and ensured accuracy of data.

**RSE “KAZVODHOZ” KYZYLORDA BRANCH** Kyzylorda, Kazakhstan

**Topographic Surveyor** June 2013-December 2016

* Created transfer of design points to nature and planned and high-altitude binding of objects during construction and installation work.
* Conducted gradual, horizontal, high-altitude, tachometric, or combined topographic surveys using geodetic instruments (GNSS receiver Leica from GS 10-GS18T, Leica TPS407, Leica TPS 1205 Total Station and theodolite, tiller)
* Surveyed vertical and horizontal layout; landing of buildings and structures; drawing up an executive survey in electronic form of a 2D model; drawing up the executive geodetic documentation for delivery to the customer.

**JSC “KOR”**  Kyzylorda, Kazakhstan

**Geodetic engineer** December 2012- May 2013

* Performed a theodolite and leveling course.
* Obtained a total station surveying to calculate the volume of the clay quarry.
* Prepared initial geodetic data and provides cameral processing of field materials.

**ADDITIONAL**

* Survey and Mapping programs: AutoCAD 2006-2018 (advanced), ArcGis (advanced), Arc GIS Pro (intermediate),Envi (advanced), MapInfo (advanced), GeoniCS (Topoplan, general plan, networks, tracks) (advanced), CredoDat (intermediate), Ezysurf (advanced), Leica Survey (advanced), Geo or Flex Office (advanced), Python (intermediate), R programming(intermediate),SQL (beginner).
* Design and simulation software: Adobe Illustrator (intermediate), AnyLogic 8 (intermediate)
* Microsoft programs: Excel (advanced), Word (advanced), PowerPoint (advanced), Outlook (advanced), Access (intermediate).