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# Renzo S Cornejo Tejada

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## Education

PhD student in Civil Engineering, Georgia Institute of Technology, Atlanta, US.  
Jan 2021 – Present.

B.Sc. in Civil Engineering, National University of Engineering, Lima, Peru, 2017

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## Research Interests

My interest is in the field of Geotechnical Earthquake Engineering with special focus on loss resistance phenomena such as Liquefaction and application on mining earth structures. I am interest for numerical techniques as FDM and MPM to reproduce large deformation problems.

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## Expertise

Renzo Cornejo has four years of experience on mining projects, including the design of geotechnical structures (tailings dams, waste dumps) and civil structures, at all design phases (geotechnical on-site investigation, geotechnical characterization, physical stability analyses, numerical modeling, etc.), supported by specialized software (Deepsoil, Slide, Plaxis, Flac, etc.).

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## Employment Record

Mar 2020 – Dec 2020 Water, Waste and Land, Project Engineer

Sep 2017 – Mar 2020 SRK Consulting (Peru) S.A., Staff

Jan 2017 – Aug 2017 CISMID (UNI), Research assistant

Aug 2016 – Sep 2016 SVS Ingenieros S.A., Trainee

Jan 2016 – Apr 2016 SVS Ingenieros S.A., Trainee

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## Languages

English (fluent), Spanish (mother tongue)

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## Courses and Seminars

- Second International Course “Geotechnical and seismic engineering with mining applications” (07/2018)
  - National congress of civil engineering students – Huaraz (08/2017)
  - Workshop “New technologies for deep foundations” (03/2017)
  - Training course “Photogrammetry with RPAS and processing of aerial images using Pix4Dmapper” (01/2017)
  - Workshop “Slope stability” ECOE – CIP CN (10/2016)
  - Fourth International Conference about Heap Leach solutions (10/2016)
  - Conference “Stabilizations technics in geotechnics” (09/2016)
  - Conference “Modern Highways” (08/2016)
  - Conference “Updated software for mechanistic structural design of flexible pavements” (08/2016)
  - National congress of civil engineering students – Ayacucho (08/2016)
  - Course “Tailings deposits: Study, design and construction” (07/2016)
  - Conference “Seismic hazard analysis of Peru” (06/2016)
  - Dialogue table “Seismic risk mitigation”. FIC – UNI (06/2015)
  - Conference “Heap Leach Pads”. FIC – UNI (06/2015)
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## Software knowledge

Slide, Slide 3D, Plaxis, Flac, Deepsoil, AutoCad Civil 3D, ArcGis, MsProject, S10, Etabs, Matlab

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