A person with a beard

Description automatically generated with low confidence**Alan Teare**

**BME, PMP, PMI-RMP, MEGP**

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**Project engineer**, [*Arcadis Chile*](https://www.subcity.com/)  *December 2021 –*

* Development of Risk Management in Projects
* Proficient in BHP and CODELCO's Risk Management procedures
* Familiarity with ISO 31.000 and ISO 31.010 Risk Management procedures
* Skilled in estimating risks using f-n curves and employing ALARP with Monte Carlo Simulation in Python for process modeling.
* Experienced in Data Analyst
* Development ML model
* Development AI model
* Expert consulting, and Evaluation of GISTM implementation in mining companies.
* Mentoring expertise

**Project engineer**, [*SGS*](https://www.subcity.com/) *April 2021 –December 2021*

* Project engineer, leading multi discipline engineers and projects in all review engineering service in Anglo American Sur.
* Piping engineer - Senior, review projects of transportation water, refine, slurry.
* Development and create a team work.
* Leadership
* Expert consulting of Commisioning.

**Leader Engineer / Piping and Mechanical Engineer Not Load Commissioning (NLC)**, [*Fluor-Salfa*](https://www.deepnews.ai/)

*June 2020 – February 2021*

* Planning and executive the water-run test.
* Accountable of Hydrostatic test
* Accountable NLC for all water transportation systems
* Leadership – Accountable of ~150 workers.

**Risk Analysis – Risk Management**, [*Enel*](https://www.idfcinstitute.org/) *Green Power November 2019 – Jun 2020*

* Created a data science unit at the Rockefeller-, Gates-, and Ford-funded public policy non-profit. Liaised with funders, government officials, and academics.
* Team conducted and published [research](https://www.urbanflux.org/mumbai_app/paper.pdf), built platforms, created [interactives](https://www.urbanflux.org/mumbai_app/), and advised government on urban mobility, open-source mapping, privacy/data governance, and COVID-19.

**Piping Senior**, [*Wood PLC*](https://www.datadrum.com/)*, Jun 2019 – Nov. 2020*

* Created a U.S. corporation providing automated, clean, and elegantly-presented economic data, in order to make public data accessible.
* Led developers, economists and regional experts. Met with potential customers and investors.
* Built ETL pipeline (MySQL, PHP, Python) and website. Managed mobile apps (React Native), API (Node.js/Express.js), and Google Sheets and Microsoft Excel add-ins (JavaScript).

**Piping Engineer**, *SNC-Lavalin June 2018– Jun2018*

* Produced major investigations, including showing that the [results of a national Venezuelan election](https://journalism.girishgupta.com/article.php?id=2010) were fabricated; secrets about the country’s [military,](https://journalism.girishgupta.com/article.php?id=1017) including surface-to-air missile [inventories](https://journalism.girishgupta.com/article.php?id=1008) and lists of soldiers [arrested](https://journalism.girishgupta.com/article.php?id=1017) for treason and rebellion; that the [country’s Chief Justice](https://journalism.girishgupta.com/article.php?id=1024) was arrested on suspicion of murder; and multi-billion dollar [corruption](https://journalism.girishgupta.com/article.php?id=977) [at Venezuela’s state oil company](https://journalism.girishgupta.com/article.php?id=977).
* Produced text, photos and TV on Venezuela’s [hyperinflation](https://journalism.girishgupta.com/article.php?id=2012), [social decay](https://journalism.girishgupta.com/article.php?id=981), [food riots](https://journalism.girishgupta.com/article.php?id=976) and protests.
* Reported also in Iraq, Afghanistan, and the United States, as well as Colombia and Ecuador.
* Wrote software to automate story-writing, data-gathering, and admin.
* Coordinated on-the-ground and digital security in an extremely hostile environment.

**Project Manager**, *Encomin June 2017 – June 2018*

* [Created](https://journalism.girishgupta.com/sp.php?id=2011) the go-to data platform on one of the world’s most opaque countries.
* Wrote iOS/WatchOS (Swift), Android (Java), and web apps (PHP/MySQL), as well as an API (PHP).

**Project Engineer – Piping Engineer**, *Stantec, August 2014– June 2017*

* Produced text, photos, video and radio in Venezuela, as well as [Brazil](https://journalism.girishgupta.com/article.php?id=813), Colombia, [Cuba](https://journalism.girishgupta.com/article.php?id=786), Ecuador, Egypt, [Guyana](https://journalism.girishgupta.com/article.php?id=809), [Jordan](https://journalism.girishgupta.com/article.php?id=817), Lebanon, Peru, and [Mexico](https://journalism.girishgupta.com/article.php?id=255), for some 50 news outlets.
* Covered the cancer, election and [death](https://journalism.girishgupta.com/article.php?id=667) of Venezuela’s Hugo Chávez, the messy transition to Nicolás Maduro’s rule and the crisis that followed, including daily [violent unrest](https://journalism.girishgupta.com/article.php?id=857).
* Investigated [diamond smuggling](https://journalism.girishgupta.com/article.php?id=595) from [illegal jungle](https://journalism.girishgupta.com/article.php?id=630) [mines](https://journalism.girishgupta.com/article.php?id=630) in the Amazon, a Colombian paramilitary massacre, and the killing of wildcat gold miners there.

**Master in Appraisal and Project Management (MEGP)** at *University Adolfo Ibañez*

*September 2006 – June 2010*

* Abstract to Master’s project—a computer simulation (C) of the heart exploring atrial fibrillation—[published](https://www.physoc.org/abstracts/role-of-the-pulmonary-vein-in-the-genesis-of-atrial-fibrillation-insights-from-a-biophysically-detailed-computational-model/) in the *Proceedings of The Physiological Society*.
* Bachelor's project on negative index of refraction; first year essay on the physics of music.
* Officer Cadet, *MSUOTC*. First aid, weapon handling, drill, leadership, fieldcraft and military tactics.

**Mechanical Engineer (Math, Physics, Chemistry, Geology)** at *University Santiago de Chile*

*September 2005 – June 2006*

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| --- | --- |
| Courses: | The Relativistic Universe 2023 *Open University*  Introduction to Developmental Psychology 2022 *Queensland/edX*  Fundamentals of Music Theory 2022 *Edinburgh/Coursera*  [Founder, First 50 and Writer fellowships](https://www.beondeck.com/) 2020/1 *On Deck*  [Introduction to Computer Science](https://www.edx.org/course/cs50s-introduction-to-computer-science) 2020 *Harvard/edX*  [Deep Learning Specialization](https://www.deeplearning.ai/deep-learning-specialization/) 2020 *deeplearning.ai/Coursera*  Hostile Environment Training 2015 *Hawthorne/Reuters*  Surviving Hostile Regions 2012 *AKE/Rory Peck*  Military Training Qualification 1 2007 *Officers’ Training Corp/British Army* |
| Side-Projects: | [*Math for Journalists*](https://www.mathforjournalists.com/)2021 Quick iOS app to help journalists with basic math.  [*According to Documents*](https://www.accordingtodocuments.com/)2020- Highlight document-based investigative reporting.  [*Readwise2Roam*](https://www.readwise2roam.com/)2020 Convert *Readwise* book and article highlights to *Roam* notes.  [*GlobalOTP*](https://www.globalotp.com/)2019- Forward text messages to email.  [*Music Goes On*](https://www.musicgoeson.com/)2000-1 Music website listed by *MTV* as one of the web’s top 20 sources. |
| Code: | Python, SQL, HTML. |
| Cloud: | Azure. |
| Languages: | English, Spanish. |
| Online: | [Website](https://www.girishgupta.com/), [Twitter](https://www.twitter.com/jammastergirish), [LinkedIn](https://www.linkedin.com/in/girish-gupta/), [GitHub,](https://github.com/jammastergirish) [AngelList](https://angel.co/u/girishgupta). |

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