

# MACK DELANY

Citizen of New Zealand and Ireland  
D.O.B 15 September, 1993 | [mackdelany.com](http://mackdelany.com)

Engineer and leader with an entrepreneurial spirit, unique product intuition and a relentless user focus

## Strengths

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*First principles*; I break problems into their simplest components and look at what actually matters, projects led by me are metric driven and meticulously focused on velocity (speed and direction are equally important)

*Empathy*; I get on with and understand people well. I can be convincing when I need to be (ask any New Zealand hospital), can align a group around a goal (ask my ex-colleagues at CarbonCrop) and have a knack for understanding what customers need (ask my ex-colleagues at Mish Guru)

*Smarts*; I pick things up quickly... in April 2019 I decided to pick up machine learning, in April 2020 my natural language processing powered product was used in two hospitals to support 1000 emergency patients every week

## Experience

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### SOFTWARE ENGINEER | [NAI](#) / [CarbonCrop](#) | New Zealand | 2019 - 2021

NAI is an applied venture studio, CarbonCrop is a seed stage startup that democratizes access to carbon credit markets

- Senior among 6 engineers building infrastructure from ground up, including react applications, backend services, databases, distributed ML services and queues, tileservers, data pipelines, AWS infra, CI/CD services etc.
- Responsible for infra decisions, application and system design, hiring and mentorship, etc. and of course, programming!

### FOUNDER | [STAN](#) | New Zealand | 2019 - 2021

STAN is a Supportive Triage Assistant which uses machine learning to help emergency departments triage patients

- Deployed cloud based application which supported >50K emergency presentations at multiple hospitals with 99.9% uptime
- Applied state of the art natural language processing technologies to medical notes and physiological observations
- Collaborating, liaising and negotiating with emergency departments, management and IT teams
- Convinced public health officials that a 25 year old's triage assistant would help save lives (not easy!)
- [STAN ultimately improved triage consistency, clinical pathway uptake and high risk symptom recognition](#)
- Did all of the above as sole founder/engineer while working full time at NAI / CarbonCrop

### PRODUCT MANAGER | [Mish Guru](#) | New York | 2016 - 2019

Mish Guru provides vertical video software for McDonalds, Coca Cola, Princeton and hundreds of other global brands

- Managed product launches on three continents across >10 international markets with >150 customers; conducted marketing campaigns, did user testing, ran customer feedback and insight
- Used python, sql and javascript to automated internal processes such as financial reporting, customer health monitoring, user research and sales lead scoring
- Supported the CEO in raising USD \$6m of venture capital, modelled company growth, attended pitches, liaised with investors

## Education

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### BACHELOR OF ENGINEERING WITH HONORS (CIVIL) | University of Canterbury | 2012 - 2015

Honors GPA of 3.63 (4.0 Scale), specialized in fluid dynamics and hydrology

### CFA INSTITUTE | Level 1 | 2016

Passed the notoriously hard CFA exam for investment professionals, my year had a 43% pass rate from 59,600 candidates worldwide

## Personal

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- Love fresh air, reading, swimming, skiing, mountain biking, country music (new obsession), learning, teaching, and more!
- Eligible to work in Canada, NZ, AU, Europe, the UK and the US if sponsored (have H-1B visa)