MACK DELANY

Citizen of New Zealand and Ireland
D.O.B 15 September, 1993 | mackdelany.com

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

Strengths

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

Passion; I need challenges, I left NZ to find something that will really drive me… I'll work all day and code all night to make something succeed

Experience

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!
- Happy, and competent, to work wherever needed -> engineering, product, marketing, can do it all with a smile!

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/DHB 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

- Directly supported the CEO in raising USD $6m of venture capital from NZ + Silicon Valley investors, attended pitches, liaised with venture analysts, modelled company finances + growth giving regular updates to investors
- Managed product launches on three continents across >10 international markets with >150 customers; directed engineers, conducted marketing campaigns, did user testing, ran customer feedback and insight
- Helped construct and manage an inside sales team of 15 people across US and APAC, modelled staff performance, gave hiring/promotion/performance direction on employees and designed remuneration programmes

Education

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