Sean Rowan

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Purpose

To provide freelance software engineering services to the Neurobranch project specifically in relation to bespoke back-end data analytics, user prediction services and natural language processing all using machine learning mathematical methods implemented in Python, R or Matlab.

Skills

Highly Proficient: machine learning mathematical modelling · relational databases (MySQL) · document-based databases (XML technology stack and natural language processing) · C++ · Matlab · computer security and cryptography · Linux · Git · research

Proficient: non-relational databases (NoSQL) · Python · R · JavaScript · PHP

Experience

Freelance Software Engineer — New York, USA
Self-Employed — *May 2016 to Present*

Co-Founder and Head of Technology — Dublin, Ireland
shakeconnect — *April 2015 to April 2016*

Undergraduate Researcher in Autonomous Robotics — Dublin, Ireland
Trinity College Dublin — *January to August 2015*

Co-Founder and Lead Software Engineer — Dublin, Ireland
VelAir — *September to December 2014*

Education

MSc, Machine Learning — London, UK
University College London — *2016 to 2017*

BEng, Electronic and Computer Engineering — Dublin, Ireland
Trinity College Dublin — *2012 to 2016*

Research

"Securing Vehicle to Vehicle Communications Using Hardware Related Side Channels and a Blockchain Public Key Infrastructure" — Dublin, Ireland
Trinity College Dublin — *April, 2016*

"Fast Air Vehicle Accident Localisation System (FAVALS)" — Beijing, China
ICDIC 2014, Beihang University — *August, 2014*

Awards

First Place - London Design Festival Hackathon — London, UK
UK Meteorological Office — *September 2014*

First Place - Strange Weather Hackathon — Dublin, Ireland
Science Gallery Dublin — *September 2014*