

Engineer and CEO at Simpitiko. Energy and computer codes

EXPERIENCE

**Simpitiko** 2017+  
CEO and Founder; Ireland

**Trinity College Dublin** 2015 – 2017  
Senior Research Fellow; Dublin, Ireland

- ◊ Lead Researcher and Founder, Distributed Wind Energy Group
- ◊ Led proposal for IEA Task 39 on wind turbine sound/noise to approval
- ◊ Raised > €150,000 in external funding

(Adviser, energy; Ireland and UK. 2014 – 2016)

**Airsynergy** 2014  
Head of Product and CTO; Longford, Ireland

- ◊ Reporting to CEO, built wind turbine engineering team/design studio/workshop/warehouse
- ◊ Delivered kW scale wind turbine system prototypes and initiated ISO/IEC and doc. control
- ◊ Company had raised €7 million in private investment

**Centre for Renewable Energy at DkIT** 2011 – 2014  
Lecturer and Centre Director; Dundalk, Ireland

- ◊ Wind energy lecturer, course director M.Sc. Renewable Energy Systems
- ◊ Invited to Hong Kong by govt., spent time researching in Warsaw

**Ampair** 2010 – 2011  
Engineer; Dorset, England

- ◊ Responsible for mechanical engineering, reporting to CEO and head of engineering
- ◊ Once famous wind turbine company had raised £1.5 million in venture funding
- ◊ Worked on the return of the A6000 5.5 m to market

EARLIER

**Centre for Renewable Energy at DkIT** 2009 – 2010  
Research Fellow; Dundalk, Ireland

**Dublin City University** 2007 – 2009  
Researcher (Aide to Theme Leaders); Dublin, Ireland

**Teradyne** 1999 – 2001  
Process Engineer; Dublin, Ireland

EVEN EARLIER

**Telstra** 1999  
Melbourne, Australia

**ESB** 1997  
Intern Engineer - competed position with the state electricity supply board; Dublin, Ireland.

**The Morey Organization** 1996  
New Jersey, USA

**Disneyland Paris** 1995  
Paris, France

EDUCATION

**PhD Computing, Dublin City University** 2002 – 2008  
◊ Scholarship. Applied mathematics, fluid dynamics, Python

**BA BAI Mechanical Engineering, Trinity College Dublin** 1994 – 1998

**O'Connell Schools, Dublin** 1989 – 1994

MISCELLANEOUS

- ◊ Citizenship: Ireland, EU
- ◊ I'm working on machine learning systems for different applications.
- ◊ See <http://niallmcmahon.com> for more.