

# Graham Morehead

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- OVERVIEW**      Leading teams addressing unsolved problems in AI.  
10+ years management / TPM | 25+ years technology development.  
From back-of-the-napkin to full deployment, I manage technology and people.
- EDUCATION**      **Master's Degree**, Computer Science, University of Maine, Orono, ME, May 2014  
**Graduate courses**, Cognitive Science, Machine Learning, Harvard University, 2004, 2006  
**Bachelor of Science**, Physics, Boston University, Boston, MA, May 1995  
**Exchange program**, Physics, Universidad Autónoma de Madrid, Spain, 1992-1994
- EXPERIENCE**      **CTO**      June 2020 – present  
Topologe, Fairfax, VA  
• Bringing the best AI from academia to bear on government interests
- Co-Founder & CTO**      August 2020 – present  
Ziotag, New York, NY  
• AI to Chapterize and contextualize raw video
- Adjunct Professor**      August 2021 – present  
Gonzaga University, Spokane, WA  
• Leading two research groups: Machine Translation, Real Estate Prediction  
• [Teaching Machine Learning](#), [Data Science](#)
- Principal Research Scientist**      September 2019 – August 2022  
Aon PLC, Spokane, WA  
• Led team building AI to change the way markets leverage intellectual property
- Senior Computational Data Scientist**      February 2018 – August 2019  
CloudMedx Inc., Palo Alto, CA  
• Building the AI Doctor of the future
- Senior Computational Linguist**      December 2016 – January 2018  
Protagonist Technology (FKA Monitor 360), San Francisco, CA  
• NLP to analyze the underlying narratives behind news reports, blogs, and other sources
- Co-Founder & CTO**      November 2015 – November 2016  
Gram Labs, Inc, Arlington, VA  
• Led team building AI to mimic human interaction: text, speech, voice, animations
- Federal Solutions Engineer**      March 2015 – June 2016  
Basis Technology, Herndon, VA  
• Designed and configured NLP solutions for government agencies
- IT Manager**      September 2012 – March 2015  
R. H. Foster Energy LLC, Hampden, ME  
• Managed IT team/infrastructure at 400-person company oil company
- Research / Teaching Assistant**      September 2009 – July 2012  
University of Maine, Orono, ME
- Software Developer**      October 2008 – August 2009  
Emergent Music LLC, Portland, ME

**Research Engineer** October 2003 – October 2008  
Nuance, Burlington, MA  
• Language model development for Dragon Naturally Speaking

**Integration Engineer** September 2002 – September 2006  
Totalcom Solutions Inc., Topsfield, MA

**Co-Founder & Vice President, Research & Development** July 1999 – July 2002  
SuperWings Inc., Topsfield, MA  
• Led team building Mobile apps for early devices (pre-iPhone)

**Information Model Engineer** August 1998 – July 1999  
Software Emancipation Technology

**Phoneticist** February 1997 – August 1998  
Applied Language Technologies, Cambridge, MA

**Research Assistant** part-time 1998  
Mass General Hospital NMR Center, Charlestown Navy Yard, MA

**Multinational Channel Support** September 1995 – June 1996  
PictureTel Corporation, Danvers, MA

**TEDx Talks**  
[Save the Urchin Fishery with this One Weird Trick!](#)  
[The Slings and Arrows of School and Career](#)  
[Save the Urchins ... for TEDxYouth](#)  
[Complexity is not Complicated](#)

**TECHNICAL ADVISING**  
Loxz Digital, San Francisco, CA Jan 2023 – present  
BioLogic Health, San Francisco, CA October 2017 – May 2018  
Hungry Marketplace, Arlington, VA May 2017 – May 2018  
Repperio, Arlington, VA March 2017 – March 2018  
[ATARC Big Data Innovation Lab, Washington, DC](#) Sept 2015 – Dec 2015  
Oaktree Development, Washington DC February 2015 – May 2018  
SizeSeeker (AKA FitValet.com), New York, NY July 2012 – December 2012

**PATENTS**  
[7,817,423](#) : Peltier-assisted liquid-cooled computer enclosure  
[9,940,321](#) : System for Machine Translation  
[10,719,668](#) : System for Machine Translation  
[11,676,058](#) : System and Method for Artificial Intelligence

**MISC**  
Graduate Thesis : ["A Complex-Systems Approach to Simulating the Sea Urchin Ecology"](#)  
"Modeling fine scale urchin and kelp dynamics: Implications for management of the Maine sea urchin fishery" : [Fisheries Research](#)  
"Costly information and the evolution of self-organization in a small, complex economy"  
[Journal of Economic Behavior & Organization](#)  
Blog (in association with *Nature*) ["A Mad Hemorrhage"](#)