NATHAN DOYLE

Currently searching

abc.

🎓 EDUCATION

2010

Beijing University of Chemical Technology
B.S. in Information and Computing Sciences 📍 Beijing, China

Thesis: Dyadic wavelet and its application in edge detection

2014

University of Chinese Academy of Sciences
M.S. in Bioinformatics 📍 Beijing, China

Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals

🖥 RESEARCH EXPERIENCE

2011 | 2014

Graduate Research Assistant
Beijing Institute of Genomics, Chinese Academy of Sciences
📍 Beijing, China
- Performed computational biology research towards understanding regulation of alternative splicing in human and mouse transcriptome.
- Found EGFR pathway related mutations, aimed to understand the impacts of cancer mutations on EGFR signaling pathway.

2015 | 2016

Bioinformatican
My Health Gene Technology Co., Ltd. 📍 Beijing, China
- Investigated how cancer cells spread to other parts of the body at the single cell level.

2016 | 2018

Visiting Scientist
University of Alabama at Birmingham 📍 AL, USA
- Investigated the role of mitochondria in development of cancer.
- Investigated the evolution of genome architecture and its role in important evolutionary events.
- Detected thrombotic thrombocytopenic purpura related mutations in mutiple patients' blood genome.

💼 PROFESSIONAL EXPERIENCE

2014

Data Scientist, intern
SupStat Inc. 📍 Beijing, China
- Taught R language to beginners.
- Wrote Shiny app demos.
- Converted statistical tutorials from SPSS to R language.

2015

CONTACT INFO

✉ nathandoyle1994@gmail.com

⌗ github.com/

📞 +353 86 224 0046

For more information, please contact me via email.

SKILLS

A

B

C

2016   ● **Bioinformatician**
My Health Gene Technology Co., Ltd.   ♀ Beijing, China
- Analyzed whole-exome sequencing data.
- Wrote analysis pipelines of ChIP-seq, single cell DNA-seq and single cell RNA-seq.
- Studied tumor metastasis and wrote research reports.
- Also did case studies to identify the genetic defect causing rare disease.

📑 TEACHING EXPERIENCE

Year(s)   ● **Title of course.**
Description.   ♀ Location

2016 | 2017   ● **Computational Biology and Bioinformatics.**
Teaching assistant of GBS CB2-201 courses at UAB   ♀ AL, USA

📄 SELECTED PUBLICATIONS AND POSTERS

Year   ● **Title.**
Description   ♀ Location
Author, Author, Author.

Year   ● **Title.**
J Cell Sci. 2016 May 15;129(10):2075-84.
Author, **Author**, Author.