

Noel Conlisk

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EXPERIENCE

- Freelance Consultant** Dec. 2019 – Present
Edinburgh/Remote *Edinburgh, UK*
- Proofreader for academic/non-academic manuscripts and technical documents
 - Shopify branding and template customisation for an ecommerce store in the custom baby apparel niche
 - Provided moderation, security, and technical support for a discord server with 100k+ registered users
- Senior Postdoctoral Researcher** Nov. 2018 – Dec. 2019
The University of Edinburgh *Edinburgh, UK*
- Contributed to the development of a successful joint RSE-NSFC funding proposal with clinical and academic partners based in the UK and China
- Career Break/Parental Leave** Oct. 2017 – Oct. 2018
- Postdoctoral and Visiting Researcher** Jul. 2016 – Oct. 2017
The University of Edinburgh *Edinburgh, UK*
- Led multiple research projects within a cross-disciplinary team (Engineers, Surgeons and Industrial Partners)
 - Provided supervision and training to PhD (4), MEng (6), MSc (1) students, and visiting researchers (2)
- Research Associate in Computational Modelling** Jun. 2013 – May 2016
The University of Edinburgh *Edinburgh, UK*
- Computational modelling lead. Project focus: To improve rupture risk prediction in patients under surveillance for abdominal aortic aneurysms. Timeframe: 3 years. Total funding: £2,145,640. Outcomes: Several publications including 2 first author peer-reviewed journal papers
 - Collaborated with vendor in Sweden (VASCOPS) on software customization. Tested software to ensure fit for purpose. Reported bugs and liaised with vendor to correct issues in a timely manner
 - Improved workflows for the creation of patient-specific finite element models of aneurysms (aortic and cerebral) from CT/MRI imaging data sets
- Research Engineer** Feb. 2013 – May 2013
The University of Edinburgh *Edinburgh, UK*

EDUCATION

- The University of Edinburgh** Edinburgh, UK
Doctor of Philosophy (PhD) in Computational and Experimental Orthopaedic Engineering Oct. 2008 – Apr 2013
- Galway-Mayo Institute of Technology (now ATU)** Galway, Ireland
Bachelor of Engineering (BEng Hons.) in Mechanical Engineering - 1st Class Sep. 2004 – May 2008

INDEPENDENT LEARNING

- Coursera:** Meta Front-End Developer Professional Certificate (2023 - **ongoing**)
- FreeCodeCamp:** Responsive Web Design (2021)
- LinkedIn Learning:** Developer Path, multiple courses (2019 - 2021)
- Coursera:** Data Science in Stratified Healthcare and Precision Medicine (2019)
- edX:** Python for Data Science (2016)
- Udacity:** Web Development - CS253 (2013)

TECHNICAL SKILLS

- Frontend:** HTML5, CSS3, JavaScript, React
- Backend:** Python, Nodejs, PostgreSQL
- CMS:** Wordpress, Drupal, Shopify
- GUI:** tkinter, PyQt
- Libraries:** pandas, NumPy, Matplotlib, VTK/VMTK
- Developer Tools:** Git, GitHub, SSH, SFTP, VS Code, VirtualBox, Jupyter Notebook
- Software:** Abaqus/CAE, Mimics, VASCOPS, Autodesk Inventor, Blender, LaTeX
- Operating Systems:** Windows, Linux