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
- Web development and scientific programming.

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, Nginx, Cloudflare Tunnel
CMS: Wordpress, Drupal, Shopify
GUI: tkinter, PyQt
Libraries: pandas, NumPy, Matplotlib, VTK/VMTK
Developer Tools: Git, GitHub, SSH, SFTP, VS Code, VirtualBox, Jupyter Notebook
AI Tools: Copilot, Deepseek, Chatgpt, LM studio, Openrouter, Cline for VS Code, Cursor
Software: Abaqus/CAE, Mimics, VASCOPS, Autodesk Inventor, Blender, LaTeX
Operating Systems: Windows, Linux