

# Thomas Jones

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Online resume: <https://tahjones.github.io/resume/>

Linkin Profile: <https://www.linkedin.com/in/tahjones>

GitHub Profile: <https://github.com/TAHJones>

## Professional Profile

An enthusiastic and dedicated web developer who enjoys using modern design and coding techniques to build mobile friendly (responsive) websites. Quick to assimilate new skills and technologies whilst demonstrating a logical and analytical approach to solving complex technical problems. Enjoys working as part of a successful and productive team but can operate well on own initiative and has the ability to perform effectively whilst working under pressure. Possesses excellent interpersonal skills and the ability to communicate concisely and articulately with colleagues.

## Objective

Experienced healthcare scientist working for the NHS, retrained and ready for career change. Currently looking for a new and challenging role as a front-end web developer, one which will allow for further professional development and makes best use of existing skills and experience.

## Key Technical Skills

### Frontend Skills:

- HTML5 & CSS3/SCSS
- JavaScript & jQuery
- Responsive Web Design
- Frontend Frameworks: Bootstrap & Foundation

### Backend Skills

- Python
- Databases: MongoDB
- Backend Frameworks: Flask
- Templating Languages: Jinja

### Developer Tools:

- IDE/Text Editor: Gitpod, Cloud9, Sublime Text
- Operating Systems: Windows 8.1-10, Linux Mint 17-18, Ubuntu 16-18
- Webhosting: iPage, TSO Hosting, Github Pages, Heroku
- CLI: Basic command lines & BASH shell scripting
- Design & Image Editing: GIMP - Image editing & enhancement, logo design
- Data Visualisation: D3, DC & Crossfilter, Chartjs
- Version Control: GIT, Github

## Portfolio

<https://qc-metrics-analyser.herokuapp.com>

<https://tahjones.github.io/avengers-top-trumps/>  
<https://tahjones.github.io/mousecode-design/>  
<https://tahjones.github.io/mum-and-baby-gifts/>  
<https://tahjones.github.io/elements-of-healing/>  
<https://tahjones.github.io/alessiajones/>

## Education and Qualifications

Diploma in Software Development	CodeInstitute	Oct 2018 - Ongoing
The Complete Web Developer Course	Udemy	2015 - 2018
Web Design Course	Skillsology	Apr – Jun 2014
1st Class B.Sc. Genetics Degree	Aberystwyth University	1994-97

## Current Employment

**Medical Technician                      Royal Marsden Hospital                      Sep 2011 – Aug 2014**

Experienced scientific professional, working as a Genetic Technologist at The Royal Marsden Hospital. Currently working in a senior research position within a busy molecular diagnostics department. Responsible for analysing clinical trial samples using next generation sequencing (NGS) to identify cancer patients with actionable genetic mutations. Also involved in the validation of new technologies and their integration into regular clinical diagnostic testing.

## Achievements

- Validation of new NGS panel to replace current single gene based tests in diagnostic laboratory to streamline workflow and increase sample testing capacity within the department
- Optimisation of NGS lab protocol; validation of enzymatic DNA fragmentation, fluorometric based DNA quantification and low DNA input protocol to improve efficiency, scope and robustness of test
- Organisation of NGS testing for FORMAT trial (Feasibility of a Molecular Characterisation Approach to Treatment), a feasibility study of NGS technology as a clinical diagnostic tool
- Improving excel datasheets - using programming skills to automate data entry tasks

## Responsibilities

- Testing clinical trial samples using NGS DNA sequencing
- Analysing NGS sequencing data
- Writing and updating technical documentation
- Validating new laboratory procedures
- Supervising and training junior colleagues

## Publications

- Investigating the feasibility of tumour molecular profiling in gastrointestinal malignancies in routine clinical practice - Annals of Oncology
- Molecular profiling of colorectal pulmonary metastases and primary tumours: implications for targeted treatment - Oncotarget
- Optimised ARID1A immunohistochemistry is an accurate predictor of ARID1A mutational status in gynaecological cancers - The Journal of Pathology

- Gastrointestinal stromal tumour with multiple primary tyrosine kinase mutations, clinicopathologic and molecular characterisation - Applied Immunohistochemistry & Molecular Morphology
- An Evaluation of the Challenges to Developing Tumour BRCA1 and BRCA2 Testing Methodologies for Clinical Practice - Human Mutation

## **Career History**

### **Medical Technical Officer**

**Royal Marsden Hospital**

**Sep 2011 – Aug 2014**

Employed as a Medical Technical Officer in the Molecular Diagnostics department. Performed high throughput screening of blood and tissue samples using PCR, DNA sequencing and Next Generation Sequencing (NGS) to detect acquired genetic abnormalities in tumour samples.

### **Achievements**

- Completion of CRUKs phase 1 stratified medicine programme
- Introduction of NGS technology for CRUKs phase 2 stratified medicine programme

### **Responsibilities**

- Manual & automated DNA extraction
- Testing solid tumour samples by PCR, DNA sequencing & NGS
- Booking in & updating patient records
- Writing and updating technical documentation
- Supervising and training colleagues

### **Medical Technical Officer**

**Welsh Blood Service**

**Feb 2010 – Sep 2011**

Laboratory technician in the Molecular Genetics Department testing samples from blood donors wanting to join the Welsh Bone Marrow Donor Registry. Extracted DNA from samples and performed high throughput testing by multiplex PCR and DNA sequencing.

### **Achievements**

- Introduction and optimisation of DNA sequencing within department
- Learning to analyse HLA typing data to determine histocompatibility

### **Responsibilities**

- Manual & automated DNA extraction
- Testing samples by multiplex PCR & DNA sequencing
- Booking in & updating patient records
- Visualisation of HLA type by agarose gel electrophoresis
- HLA type analysis to determine compatibility for transplantation
- Supervising and training colleagues

**Homeopath****Self Employed****June 2007 – Dec 2009**

Self-employed homeopath based at several clinics based in Hertfordshire and London. Successfully treated clients with a range of emotional and chronic physical conditions including; anger-management issues, anxiety, depression, stress, hormonal problems, auto-immune disorders, ME and skin conditions.

**Achievements**

- Successfully treated clients with a range of emotional and physical conditions
- Developed self-discipline and resilience working as a sole trader during recession

**Responsibilities**

- Managing business finances & marketing strategies
- Designing advertising material
- Presenting small talks to local clubs and interest groups
- Networking with local business owners and healthcare practitioners

**Research Technical****Illumina/Solexa****Nov 2003 – Aug 2008**

A senior member of the flow cell manufacturing department involved in the development and scale up of the flow cell manufacturing process. Played a key role in building the department from a single person (myself) to a small manufacturing department that supplied the company and its customers around the world with flow cells for large scale DNA sequencing.

**Achievements**

- Responsible for process development and scale up of flow cell manufacture
- Part of start-up company that developed next generation sequencing technology

**Responsibilities**

- Process development & expansion of manufacturing process
- Purchase & maintenance of laboratory equipment
- Presenting data at laboratory meetings
- Supervising and training colleagues