

**Panel F1**  
**Microtalks**  
Auditorium



**Constantinos Panayi**  
**VR Animation of an MRI scan**

Last year for my 2<sup>nd</sup> year final major project I created a Virtual Reality Animation of an MRI scan that can be shown to hospital patients at Great Ormond Street Hospital (G.O.S.H). The animation shows the procedure that the patient will go through so they are aware and informed about the whole process, and are less anxious beforehand. It is something I feel strongly about because growing up as a young patient, I had many procedures and never really knew and understood well enough what was going to happen, apart from the short explanation by the Doctors. Therefore, my project will help to allay patients concerns. My years spent at G.O.S.H means that I now wish to give back, which involves; creating projects that have a positive impact on people and improve patient experience. The patients are the main focus of everything I do.

A few months ago I presented my MRI VR project to two groups of people at G.O.S.H. They were Faith Gibson and Kate Oulton, who are part of the Centre for Nursing and Allied Health Research team, and also to Claire Simcock (Superintendent Radiographer MRI/MRI Project Lead). They were all very impressed with my project and also gave some positive feedback, such as to add more information to the narrative script, adding facial features to the characters, and having the patient lying down when they watch the project. This is something I will be working on after I finish University, and I will hopefully be part of their research team that Faith and Kate are going to form, to gain feedback that I can use to improve the work even more.

I would welcome the opportunity to join an employer so that I can further develop my skills and experience and help realise my dream of using my work to help others.

**Biography**

[panayi.costa@gmail.com](mailto:panayi.costa@gmail.com)

I am a 3<sup>rd</sup> year Middlesex University student studying 3D Animation and Games. I am a 3D Artist specialising in VR Technology and have a strong interest in working with Healthcare/Medical Virtual Reality. I am a bright and articulate student with a keen interest in developing my career within Healthcare/Medical VR.

I am an Ex-Great Ormond Street Patient (had been a patient for around 17-18 years), having been treated there for a number of conditions. I also volunteer at Great Ormond Street Hospital as a G.O.S.H guide, greeting and welcoming people on arrival, and directing and escorting patients, parents and visitors to wards, clinics and departments. I am part of the G.O.S.H YPF (Young People's Forum), which consists of patients, ex-patients and siblings of patients, and every few weeks we gather together and discuss ways in which we can improve patient experience for teenage patients at the Hospital.

I Won the Jack Petchy award for excellence in 2011 at Ashmole Academy for the recognition of hard work I put into my GCSE's, having nearly missed a year of school following my Bone Marrow Transplant in the summer of 2009. I also completed the Bronze Duke of Edinburgh award in 2012 which taught me a variety of skills such as; Team-work,

meeting challenges head on and seeing them through to completion, utilising group skills and meeting and making new friends.

I have many interests that include the following; Tennis, Football, Reading, Drawing, and I used to collect Games Workshop figures. The painting and modelling of these figures together with reading the various Games Workshop books and magazines began my interest in 3D modelling and Games.

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