



UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

PROJECT TENDER

Project: VizARD(Augmented Reality Data
Visualization)

Client: EPI-USE Labs

Team: IMPAKD

TEAM MEMBERS

Diana Obo

Kudzai Muranga

Priscilla Madigoe

Sandile Khumalo

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF PRETORIA

DATE: 2 MAY 2016



1 Meet the Team Members

Priscilla Madigoe



• Interests

My interests include Computer Programming, Electronics, Computer Graphics, Robotics, travelling, photography, music, sports and reading novels.

• Technical Skills

- Computer Programming with sound knowledge of Java, C/C++, MatLab, WebGL and Web-related programming languages.
- Complex Problem-Solving using scientific and mathematical principles.
- System Analysis to determine how a computer software should behave in set conditions.
- Quality Control Analysis to evaluate the performance and quality of computer software.

• Past Experience

The Software Engineering module had a preparatory project called the Mini Project that was created to give students a real-world experience of software development. I took part in the project and I have learnt the process of software development, team work and different technologies used to develop computer software.

• Non-Technical Skills

My non-technical skills include critical thinking, reading comprehension, writing, effective listening, social perceptiveness and active learning.

• Reason for Interest in the Project

I would like to expand my knowledge on Computer Graphics and Augmented Reality as I am currently enrolled in an elementary Computer Graphics course.

Diana Obo



• Interests

My interests are travelling, game development, web development and anime. I also enjoy learning about new technologies and watching a lot of discovery channels and documentaries.

• Technical Skills

- I have sound knowledge of Java, C++, HTML, CSS, Javascript, C#, MatLab
- Mobile development (android studio)
- 3DS MAX.
- Ember.js and handlebar.js

• Past Experience

- I participated in this year's Standard Bank IT Challenge.
- I did an internship at a small company named Lepsta where I did web development.

• Non-Technical Skills

- Willingness to learn
- Team player
- Organised
- Diligent
- Reliable

• Reason for Interest in the Project

Since I am Interested in Game development, anime and Ive worked with 3DS max, this project will expand my knowledge in Augmented Reality and Computer Graphics.

Kudzai Muranga



- **Interests**

I am an avid reader, I love fantasy novels the most. I like to keep myself up to date with the current affairs of the world. I am also interested in learning anything new that concerns science, technology and business.

- **Technical Skills**

- I have sound knowledge of Java, C++, HTML, CSS, Javascript, C# and mobile development
- Artificial Intelligence experience.
- Business Management knowledge
- Project Management

- **Past Experience**

- Participated in the Standard Bank IT Challenge.
- Invited to the Hello Group Open Day where I participated in a coding challenge using Java.

- **Non-Technical Skills**

- I am interested and open to learning new things
- Disciplined
- Organised
- Critical Thinking

- **Reason for Interest in the Project**

I am interested in this project because I feel that it would allow me to use programming abilities extensively and teach me new and exciting skills.

Sandile Khumalo



- **Interests**

My interest are coding , reading on new exciting, technologies ,watching and reading about football. I also enjoy weightlifting.

- **Technical Skills**

- I am comfortable and have experience coding in these languages; c++, java, c#, php, html, javaScript, bash. I also have done 64 bit assembler language and I have experience in MINIX.

- **Past Experience**

I have done a project in my software development class that is similar, it incorporates most of the technologies and frameworks used in the work place when developing big projects.

- **Non-Technical Skills**

I am a hard working student, I am dedicated, I believe if there is a will, the is a way.Especially as a developer because most of the solutions are there, someone has done it before.It's a matter of good research and good understanding of the task at hand. I am willing to learn from every experience.

- **Reason for Interest in the Project**

I find this project challenging and exciting, There is a lot to learn from it.It would be great to work on the augmented reality feature and expand my knowledge.

2 Project Execution