|  |  |  |
| --- | --- | --- |
|  |  | Objectives I am dedicated to excellence in research and mastering new skills to further my development. My professional goals are to obtain a PhD degree (for which I am currently enrolled) whilst gaining experience in a non-academic environment. |
|  |  |  |
|  |  | ExperienceTutoring 2011, 2012, 2014 The University of Pretoria employed me as a tutor for first year subjects in Genetics and Plant Science as well as for a second year Plant Science subject. Mentorship 2013 I participated in the Forestry and Agricultural Biotechnology (FABI) mentorship program and I was responsible for training a third year BSc Biotechnology student in basic laboratory techniques. Symposium organization 2014 I was part of team of five postgraduate students that organized the first Du Pont Plant Breeding Symposium that was held at the University of Pretoria on 6 November 2014. The postgraduate organizing committee was responsible for all arrangements necessary for the day, from arranging plenary speakers to advertising and ensuring the logistics were all in place for a successful symposium. Co-supervision 2014, 2015 I aided in the supervision of an honours student in 2014 and I am currently involved in supervising another honours student. My role was to help in designing the students’ projects, of which both originated from results generated during my MSc degree. I trained the students to be able to use the markers developed during my master’s degree and to perform basic analyses from the data generated. |
|  |  |  |
|  |  | EducationBSc Medical Sciences 2008-2010 *University of Pretoria*  I completed my Bachelor’s degree in Medical Sciences with a focus on anatomy and genetics. BSc (Honours) Genetics 2011 *University of Pretoria*  In my honour’s research project I designed polymorphic microsatellite markers for the Moorish idol (*Zanclus cornutus*) from data generated through pyrosequencing. MSc Biotechnology *Cum Laude* 2012-2014 *University of Pretoria*  I conducted a population genetics study on the maize foliar pathogen, *Exserohilum turcicum*. In this project, thirteen polymorphic simple sequence repeat (SSR) markers as well as an assay to determine the mating type of fungal isolates were developed from the genome of *E. turcicum*. The markers were used to screen 292 fungal isolates collected from five maize fields within South Africa. The data was analyzed to test for population subdivision, sexual reproduction and gene flow. PhD Biotechnology 2014- I enrolled for a PhD in Biotechnology in July 2014. The project focuses on the generation of transcriptome data from inoculated and non-inoculated maize leaves, processing of the transcriptome reads and confirmation of bioinformatics results through laboratory testing. |
|  |  |  |
|  |  | Skills During my master’s degree I gained experience in conducting and optimizing DNA extractions, PCR reactions and assay development. I am capable of following experimental protocols and troubleshooting when problems arise in order to obtain successful results. I am able to work independently as well as in a team. |

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  | Awards I received a travel bursary from the organizing committee of the XVI International Congress on Molecular Plant-Microbe Interactions to present a poster at the meeting in Rhodes, Greece. |