

# Amira Haruwarta

Graduate Process Engineer

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## Summary

Currently I work with Unitywater as a Graduate Process Engineer in the Treatment Plants branch. I love being part of the operations team in the water industry, understanding how process units work, trouble-shooting and analysing problems. I take pride in the role I play to ensure the conservation of healthy waterways and communities. My other professional experience includes vacation work at Melbourne Water, GHD and Western Water.

I moonlight from time-to-time as a graphics designer, and love to volunteer for a good cause so please get in touch if you have opportunities.

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## Experience

### **Graduate Process Engineer at Unitywater**

June 2015 - Present

### **Graphics Assistant at Walter and Eliza Hall Institute of Medical Research**

September 2014 - May 2015 (8 months)

- Retouched photos in preparation for Institute's 100 year anniversary promotions

### **Chemical Engineering Research Student (Industry Project) at Western Water**

July 2014 - November 2014 (4 months)

- Negotiated and organised a research project with Western Water, prompted by GHD staff
- Investigated optimisation of chemical dosage to reduce trihalomethane formation at Rosslynne Treatment Plant through laboratory tests and analysing data
- Presented findings through a final report and oral presentation, receiving a High Distinction for the subject

### **Junior Mathematics Tutor and Coordinator**

February 2011 - September 2014 (3 years 7 months)

- Organised tests, exams and the syllabus taught at all three Melbourne campuses

### **Chemical Engineering Vacation Student at GHD**

November 2013 - January 2014 (2 months)

- Assisted senior engineers with data trend analysis for upgrade of wastewater treatment facilities, safety assessments and day-to-day tasks
- Created easy to use standard spreadsheets for calculation of lagoons and lamella plates
- Participated in the 'Smart Seeds Lite' Challenge

## **Chemical Engineering Vacation Student at Melbourne Water**

November 2012 - February 2013 (3 months)

- Investigated the potential use of alum sludge from drinking water facilities as a phosphorus adsorbent in wastewater treatment through defining the project scope while performing a desktop literature review and laboratory work
- Findings were presented as a report and during a seminar
- Reported on laboratory safety measures to Melbourne Water Staff during team member

## **Endeavour Road Show Assistant at The University of Melbourne**

July 2012 - August 2012 (1 month)

- Promoted engineering careers to secondary school students

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## Education

### **University of Melbourne**

Bachelor of Engineering (B.Eng.), Chemical Engineering, 2011 - 2014

**Activities and Societies:** UMIS (Vice President and Sister's Coordinator, 2010-2012); Member of MUCESS

### **Victoria University**

Diploma of Management, 2012 - 2012

### **University of Melbourne**

Bachelor of Environments, Environmental Engineering, 2010 - 2011

### **Australian International Academy of Education, Melbourne Campus**

2003 - 2009

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[Contact Amira on LinkedIn](#)