

Menuka Samaranayake

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Profile Recent graduate looking to join a team to help implement novel, progressive products. I am looking for a position as a Junior Software Developer, which would allow me to contribute to a team's productivity while expanding my skills through learning new technologies.

Education 2014: Certificate in [Computer Science](#) from the University of Wisconsin-Madison
2013: B.S. Degree in [Microbiology](#) and [Political Science](#) from UW-Madison

Work Experience **Undergraduate Researcher** [April 2014 – December 2014](#)
[Currie Lab @ UW-Madison](#)

Parsed through genetic data using Python to search for novel secondary metabolites that were produced from microorganisms in various insects. Used novel computational biology techniques to infer evolutionary relationships and secondary metabolite production between various microorganisms.

Sample Coordinator III (Contract) [July 2013 – December 2013](#)
[Covance in Madison, WI](#)

Performed support tasks to assist the Department of Clinical Pathology. My focus was data entry and to verify that quality control measures were met.

Undergraduate Researcher [May 2012 – November 2012](#)
[2012 iGEM Team @ UW-Madison](#)

Participated in a synthetic biology research competition. My team won multiple awards for pursuing the theory of inducing the production of limonene in *Escherichia coli*. Helped create a Biobrick containing a translational coupling cassette to assess translation efficiency of heterologous proteins.

Lead Student Worker [September 2011 – December 2014](#)
[College Library CMC @ UW-Madison](#)

In charge of fellow teammates and assisted patrons by solving problems regarding hardware and software issues.

Student Worker [May 2011 – July 2013](#)
[UW Medical School](#)

Managed a HIPAA-compliant database and kept documentation for a 50-year-old study on Hereditary Spherocytosis under Emeritus Professor Robert F. Schilling.

Skills **Computer Science**

- Programming Languages: Python, Java, Swift, JavaScript, and R
- Coursework included Bioinformatics, Human-Computer Interaction, and Cryptography
- Experience with database management and Adobe CS software

Microbiology

- Extensive work with standard cloning techniques including: PCR, transformation, primer design, and 454 Pyrosequencing
- Capstone project included the successful search for *Actinobacteria* in the hindguts of North American Termites