

DIENABA ZEINA SAGNANG
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SUMMARY

Energetic engineering student passionate about mechanical design seeking a summer internship to apply skills and learn in a corporate setting

Education

- 2013-Current **VALPARAISO UNIVERSITY** **VALPARAISO, IN**
Candidate for Bachelor of Science in Mechanical Engineering, anticipated May 2017
Cumulative GPA: 3.545/4.0
Dean's list (Top 1/3 of class): Fall 2013, Spring 2014, Fall 2014, Spring 2015
Recipient of *International Student Honors Scholarship for academic excellence*
- Relevant coursework: *Computer Aided Design, Fluid Mechanics, Machine Design, Thermodynamics, Electrical Circuits, Financial Decisions in Engineering, Materials science*
- Relevant Projects: *Designed and constructed a pneumatic ball launcher; Conducted Finite Element Analysis for static yield and fatigue failure of different mechanical parts; Designed and conducted relative cost and efficiency analysis for a simple vs. a hybrid refrigerant cycle*
- 2012-2013 **SENEGALESE AMERICAN BILINGUAL SCHOOL (SABS)** **DAKAR, SENEGAL**
Completed 1-year program (Equivalent to American high school senior year)
Graduated *with highest academic standing of cohort (93% average)*
- 2005-2012 **LYCEE GALANDOU DIOUF** **DAKAR, SENEGAL**
Consistently achieved *highest academic standing of class* throughout high school (*16.5/20 average during senior year*)
Ranked in *top 200 out of 80,000 candidates* at Senegalese national high school senior exam (*High honors*)

Experience

- Spring 2015 **Valparaiso University Department of Physics and Astronomy, Grader**
Graded homework for Physics 142 (Electromagnetic waves)
- Fall 2014 **Valparaiso University Department of Physics and Astronomy, Grader**
Graded homework for Physics 141 (Mechanics and Heat)
- Fall 2012 **Senegalese American Bilingual School, Teacher's Assistant**
Tutored high school juniors and seniors in mathematics, physics and chemistry
Assisted seniors through the college application process

Activities

- 2014-2015 **VUASA, Valparaiso University African Student Association, Vice President**
Ran general meetings, helped treasurer with budgeting and assisted president with executive board management
- 2013-2014 **VUASA, Valparaiso University African Student Association, Secretary**
Worked with the executive board to plan activities and discuss ways to promote the group

Skills

Software: Matlab, SolidWorks, AutoCAD, Microsoft Office (Excel, Powerpoint)

Language: English, French, Spanish

Personal

Avid writer and poetry fan. Enjoys cooking and travelling