

AS

ARMAND SEBASTIAN

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322 HUME DRIVE, HAMDEN CT

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STUDENT

EDUCATION

UNIVERSITY OF NEW HAVEN | NEW HAVEN, CT

B.S. IN BIOLOGY/PRE-MED & MINOR IN CHEMISTRY

GPA: 4.0

Awards: Presidential Scholarship

HAMDEN HIGH SCHOOL | HAMDEN, CT 2011

Awards: Diploma of Distinction for High Honors

Class Ranking: top 10% out of 600 students

SKILLS

Experimental Skills: chemical synthesis, column chromatography, thin layer chromatography, nuclear magnetic resonance spectroscopy, mass spectroscopy, infrared spectrophotometer, gas chromatography, rotary evaporator, ultra-violet spectroscopy.

Computer Skills: MS Word, MS Excel, MS Power Point, R (Statistics), protein/DNA visualization using VMD, protein/DNA visualization and sequence alignment Swiss-PDBViewer, force-field molecular dynamics simulation

INTERESTS

- Member of the Georgia Southern Rugby Team
- Assistant Coach and Volunteer for the Special Olympics and Unified Sports
- Georgia Southern University Director of Philanthropy, 2012

RESEARCH EXPERIENCE

RESEARCH ASSISTANT | WINTER 2014 - PRESENT

UNIVERSITY OF NEW HAVEN

Advisor: Dequan Xiao, PhD.

Using computer simulations to construct three-dimensional models and further study the mechanisms of protein folding of several macromolecules that regulate the gene transcription for the implications of relevant diseases such as anemia, leukemia, and Down's Syndrome.

RESEARCH ASSISTANT | FALL 2013 - PRESENT

SOUTHERN CONNECTICUT STATE UNIVERSITY

Advisor: Jeffrey A. Webb, PhD.

Developing a General Chemistry experiment based on the recrystallization of supersaturated solutions and oxidation reactions found in various hand warmer brands and types.

WORK EXPERIENCE

ACADEMIC TUTOR | SUMMER 2014 - PRESENT

UNIVERSITY OF NEW HAVEN

- Tutored undergraduate students in the following courses: General Chemistry, Organic Chemistry, and General Biology

TEACHERS ASSISTANT | WINTER 2013 - PRESENT

UNIVERSITY OF NEW HAVEN

- Teaching freshman undergraduates the course of General Chemistry Laboratory and preparing 12 experimental set-ups

ACADEMIC TUTOR | SUMMER 2011 - SUMMER 2013

GATEWAY COMMUNITY COLLEGE, NEW HAVEN CT

- Tutored undergraduate students in the following courses: General Chemistry, Organic Chemistry, Biology, Physics, Algebra, Statistics, Pre-Calculus and English Literature & Composition