

OGENNA ESIMAI
(NATIONALITY: U.S.A.)

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PROFESSIONAL OVERVIEW

Degreed undergraduate with skills in C; C++; Linux (openSUSE and Fedora); operating system virtualization (VirtualBox); Secure Shell Client; Secure File Transfer Protocol; Microsoft Visual Studio Express, Nano, Vim; LaTeX; TeXworks; Microsoft Office Word, Excel, PowerPoint; GraphPad Prism; Beginner skills in listening, speaking, reading, and writing Chinese.

EDUCATION

- University of Texas at Arlington (UTA), Arlington, TX
 - **B.S., Computer Science** Anticipated, May 2016
 - 62 hours completed/Junior classification **GPA: 3.852**

- University of Texas at Arlington, Arlington, TX
 - **B.S., Biochemistry**
 - **Department Rank: 001/005** **GPA: 3.607**

ACADEMIC EXPERIENCE

Distributed Research Experiences for Undergraduates (DREU), Texas A&M University (TAMU), Department of Computer Science and Engineering, Participant
June, 2014 – August, 2014

- Performed research in the area of motion planning applied to computational biology and biochemistry by using a sampling technique called UOBPRM (Uniform Obstacle-Based Probabilistic Roadmap) and by using distance as an affinity metric in an algorithm that approximates the binding affinity between a protein and a ligand.
- Ranked five protein-ligand pairs based on an approximation of their binding affinities.
- Our ranking matched the ranking produced from experimentally-determined binding affinities.
- Presented research at 2014 Undergraduate Summer Research Grants (USRG) Poster Session at Texas A&M University, College Station, Texas.
- Research mentor - Dr. Nancy Amato.

UTA, Department of Computer Science and Engineering, Undergraduate Research Assistant
October, 2013 – May, 2014

- Performed research in the area of database search by producing an algorithm that extracts all the word tokens from an XML PubMed article.
- Presented research at 2014 National Conference on Undergraduate Research (NCUR).
- Research mentor - Dr. Chengkai Li.

UTA, Department of Mathematics, Math Clinic Tutor

January, 1998 - May, 2001

- Invited by Math Clinic Faculty-in-Charge to apply for position.
- Retained position from initial hiring during third college semester through graduation.
- Earned additional responsibility to teach Elementary Statistics to other Clinic tutors.
- Tutored Pre-Algebra, Algebra, Trigonometry, Elementary Statistics, Calculus I, II, and III, and Business Mathematics.
- Interacted effectively with traditional college students as well as adult learners with various educational, cultural, and other backgrounds.

UTA, Department of Chemistry and Biochemistry, Research Scholar

August, 2000 - May, 2001

- Invited by Biochemistry professor to apply for research position.
- Worked to characterize the nitrate reductase enzyme of the bacterium *Methylobacterium extorquens*.
- Research mentor - Dr. Edward Bellion.

UTA, Department of Chemistry and Biochemistry, Chemistry Stockroom Assistant

August, 1997 - December, 1997

- Assisted in updating stockroom Material Safety Data Sheets (MSDS) to comply with Occupational Safety and Health Administration (OSHA) standards, exercised detail-oriented, organizing skills to help take inventory of stockroom materials, and maintained a neat appearance of shelves of hundreds of stockroom materials.

ABSTRACTS/CONFERENCES

- "A Dynamic Faceted Search Interface for PubMed." Abstract accepted for poster presentation. National Conference on Undergraduate Research, Kentucky. April 3 – 5, 2014.

WORK EXPERIENCE

Ross Stores #0249, Arlington, TX (retail)

- **Lead, Markdown Team**
 - October, 2013 - present
 - Promoted to take on added responsibility of supervising the markdown team with as many as five members at a time to maximize the completion of markdown lists and minimize missed markdowns while seeking to achieve company goals; and also supervised a cumulative total of nine associates working in Markdown and trained a cumulative total of five new members of the Markdown Team.
- **Sales Associate**
 - November, 2012 - present
 - Performed markdowns on merchandise (primary assignment), operated cash registers, assisted customers in the Fitting Room, recovered Sales floor area, moved merchandise from truck through Stockroom to display, assisted in

completing store inventory, and participated in special assignments such as setting up seasonal displays; and also trained a cumulative total of four new Fitting Room Associates on Fitting Room procedures and trained two new Stockroom Team members on Stockroom procedures (running racks and hummers).

VOLUNTEER EXPERIENCE

American Heart Association (AHA), affiliate of Ross Stores (retail)

September, 2013 – present

- Distributed AHA literature to increase awareness of heart-healthy lifestyles and risk factors for heart disease and demonstrated cardio-pulmonary resuscitation (CPR) on dummy.
 - 2013 GM Financial Benefits Fair, Arlington, TX, Oct. 17 **(2 hours)**
 - 2013 Mansfield Senior Health & Wellness Expo, Mansfield, TX, Oct. 11 **(2 hours)**
 - 2013 City of Arlington “Wellness for Life” Employee Health Fair, Arlington, TX, Oct. 10 **(4.5 hours)**
 - 2013 Tarrant County AHA Heart Walk, Fort Worth, TX, Sept. 7 **(6.5 hours)**

ACCOMPLISHMENTS/AWARDS/HONORS

- **Great Lakes National Scholarship, 2014**
- **Stuart Moldaw Scholarship, 2014**
- **Distributed Research Experiences for Undergraduates (DREU), Participant, 2014**
- **Honors College, Member, UTA, Nov., 2013**
- **Employee of the Month, Ross Stores #0249, Arlington, TX, Sept., 2013**
- **Alpha Chi National College Honor Scholarship Society, UTA**
- **Golden Key National (Academic) Honor Society, UTA**
- **Omicron Delta Kappa (National Leadership Honor Society), UTA**

PROFESSIONAL MEMBERSHIPS

- **Association of Computing Machinery (ACM), National and Local UTA Chapter levels**
- **National Society of Black Engineers (NSBE), National and Local UTA Chapter levels**
- **Society of Women Engineers (SWE), National and Local UTA Chapter levels**