

Arturo Argueta



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EDUCATION

UNIVERSITY OF NOTRE DAME

PHD IN COMPUTER SCIENCE

Expected 2020 | Notre Dame, IN

Cum. GPA: 3.704 / 4.0

THE UNIVERSITY OF TEXAS AT EL PASO

BS IN COMPUTER SCIENCE

May 2014 | El Paso, TX

College of Engineering

Dean's List (All Semesters)

Cum. GPA: 3.84 / 4.0

Magna Cum Laude

LINKS

Github:// [aargueta2](#)

LinkedIn:// [Arturo Argueta](#)

COURSEWORK

GRADUATE

Graduate Research

Advanced Operating Systems

Natural Language Processing

Advanced Algorithms

Advanced Architecture

Data Mining

Entrepreneurship in Computing

Social Sensing and Cyber-Physical

Systems

Human Computer Interaction

SKILLS

PROGRAMMING

Over 5000 lines:

Java • CUDA C • HTML • C • MySQL

C++ • Python • \LaTeX

Over 1000 lines:

• CSS • PHP

Familiar:

• Android • Assembly

LANGUAGES

Fluent:

English • German • Spanish

Working Knowledge:

French • Portuguese

EXPERIENCE

ADOBE SYSTEMS | GEM FELLOW INTERN AT ADOBE RESEARCH

May 2015 – Aug 2015 | San Francisco Bay Area, CA

- Research Intern in the Systems Technology lab mentored by Dr. Nikos Vlassis
- Conduct NLP & ML research to map Natural Language to SQL to deliver an application in C and Python to map Natural Language into SQL

EXXONMOBIL CORPORATION | UIT INTERN

June 2013 – Aug 2013 | Houston, TX

- Program applications involving databases & the SQL reporting services. Program with C# and work with Infragistics, WPF, Winforms and Oracle databases

RESEARCH

NLP LAB | RESEARCH ASSISTANT

Aug 2014 – Present | South Bend, IN

Work with Dr. David Chiang to develop faster Machine Translation applications.

Different machine learning algorithms and computer architectures (such as the Xeon Phi and NVIDIA GPUs) are used for this research.

HIGH PERFORMANCE SYSTEMS LAB | RESEARCH ASSISTANT

Jan 2012 – May 2014 | El Paso, TX

Worked with Dr. Patricia Teller to create HPC applications. Used the STAMPEDE supercomputer to analyze NVIDIA GPU's, Xeon Phi's, and Sandy Bridges

PHYSBAM GROUP AT STANFORD | UNDERGRADUATE RESEARCH INSTITUTE

May 2012 – Aug 2012 | Stanford, CA

Worked under the supervision of Dr. Ron Fedkiw and Dr. Elliot English on an Android application to simulate the interaction of rigid bodies in 3 dimensions using the PhysBAM codebase. Java and C++ were the programming languages used to code the algorithms and OpenGL ES was used for the graphics

TEACHING

CSE 30332: PROGRAMMING PARADIGMS | TEACHING ASSISTANT

Jan 2015 – May 2015 | Notre Dame, IN

- Held office hours and took care of grading programming assignments

CSE 30331: DATA STRUCTURES | TEACHING ASSISTANT

Aug 2014 – Dec 2014 | Notre Dame, IN

- Held office hours and took care of writing assignments

AWARDS

2015 GEM Fellow

SOCIETIES

2011 National Society of Collegiate Scholars

2016 SIAM Chapter at Notre Dame