

EDUCATION:

University of Wisconsin, Madison

Master of Computer Sciences (Machine Learning) expected May 2015

Caldwell College, Caldwell, New Jersey

Bachelor of Science, May 2009, GPA: 3.94

Double Major in Computer Information Systems (Departmental Honors) and Mathematics (Departmental Honors);

Minor in Economics

Scholar's Project: Rubik's Cube solving software (Spring 2008)

EXPERIENCE:

Department of Biostatistics & Medical Informatics, University of Wisconsin, Madison

Aug 2013 – Present

Graduate Project Assistant

- Part of research team headed by Eneida A. Mendonça, MD, PhD.
- Currently working with Java on the Clinical Document Pipeline component of Clinical Text Analysis and Knowledge Extraction System (cTAKES) to extract data from Electronic Medical Records (EMR) for Machine Learning analysis.

Merge Healthcare, Hartland, WI

Sep 2011 – Aug 2013

Software Developer (R&D)

- Part of a small agile team responsible for the full SDLC, maintenance, and support of Vendor Neutral Archiving Systems (VNA), PACS viewing station and associated utilities using Java and Oracle. Responsibilities include developing specifications and designs for the various products, coding and implementing the design and verifying and validating the implementation.
- Worked on storing and retrieving of compressed and uncompressed DICOM images in different pixel format using Aware Library.
- Assisted in building and creating release packages.
- Worked on the "Honeycomb" project that intends to connect various users and institutions across the country to the "Merge Cloud" over the web for the purpose of sharing medical images and objects for research and review.
- Implemented Cleversafe storage in a multi-tiered long term image archive system.
- Created bots for automated load testing various basic VNA functionalities using multi-threading.

Epic Systems Corporation, Madison, WI

Jul 2009 – Aug 2011

Software Developer (R&D)

- Part of a small team responsible for the maintenance, and support of high performance, safety critical data processing applications and tools in VB6 for Electronic Medical Records (EMR) systems. Responsibilities included consultation and analysis of needs, systems analysis, design, programs analysis, programming, QA, debugging, documentation.
- Supported end users with software installs and provided technical customer assistance.
- Created automated product functionalities to send test results and reminder letters. Designed and implemented new data structures
- Optimized product features intended to improve mammography coordinator and administrator workflows.
- Worked on drawing tools enhancements intended to improve mammography technologists and radiologist workflows.
- Tested workflows, analyzed the code and made suggestions to improve the performance of the radiology module (Radiant).
- Researched, modified and developed new graphical user interfaces.
- Worked on different printing projects related to mammography.
- Conducted on-site visits to understand the US healthcare system and implementation of EMR.

INTERNSHIPS/OTHER:

Liberty Science Center, NJ

Sep 2007 – May 2009

Software Development (volunteer)

- Developed software using VB.Net and flash for the "NASA's 50-years" exhibition project.

Caldwell College, NJ

Sep 2005 – May 2009

Other Software and Web Development (volunteer)

Jan 2007 to May 2009

- Developed Professional Game Software for the Club Jeopardy Game using VB.Net.
- Developed a website for the "Women in Business Organization" club.

Student Tech Assistant

Jan 2008 – May 2009

- Assisted faculty members with Online Courses development on Blackboard, used Adobe Photoshop to create course banners and HTML to develop online-course pages.
- Assisted faculty with the use of computer equipment in Technology Enhanced Classrooms (TEC rooms).

Student Tutor

Sep 2005 – May 2009

- Tutor students in Computer Science, Mathematics, Economics and Physics (up to senior level courses).

LEADERSHIP:

- Elected President of the Student Government Association Executive Board for consecutive terms (07-08 and 08-09).
- Appointed to serve in the Student Advisory Committee (SAC) under the State of New Jersey Higher Education Student Assistance Authority (HESAA) (08-09)
- Resident Assistant in Mother Joseph Residential Hall, Caldwell College (Summer 07 to 09)
- Student Representative in the Academic Affairs Committee of Caldwell College (07-08 and 08-09)
- Elected Constitutional Judicial Chair of the Student Government Association Executive Board (06-07)

AWARDS AND DISTINCTIONS:

- Departmental Honors for Computer Information Systems, 2009.
- Departmental Honors for Mathematics, 2009.
- Caldwell College Scholar, Spring 2008.
- Delta Epsilon Sigma National Honor Society, Spring 2008.
- Dean's List, 2005 – Spring 2009.
- Caldwell College Presidential Scholarship, Fall 2005 – Spring 2009.
- Caldwell College Dominican Scholarship, Fall 2006 – Spring 2009.
- Most Complete Xavierian , St. Xavier's Collegiate School, 2005.

SKILLS: C++, Java, VB.NET, VB6, ASP.Net, FoxPro, InterSystems Cache, HTML, XML, GW BASIC, Adobe Photoshop, Macromedia Fireworks, Macromedia Dreamweaver, C#.NET, SQL, Oracle, DICOM, HL7