

PROFESSIONAL SUMMARY

Joseph is a Software Engineer at Careexpand. He has prior experience in software engineering and web development. He actively contributes critical thinking and problem solving skills in a professional environment.

Core Skills: Website Development, Software Engineering, Relational Databases

Technologies: Node.js, Python, Java, PHP, JavaScript, JQuery, HTML, CSS, XML, MySQL, WordPress, CMS

EDUCATION

BA - Computer Science & Classics (Double Major), *University of Dallas*, Irving, TX May 2016

- 3.95 GPA
- Study Abroad: Rome, Italy - Spring 2014

RELEVANT EXPERIENCE

Software Engineer, Careexpand LLC, Dallas, TX April 2016 – Present

- Develop additional functionality for the startup's pilot product in a Node.js framework.

Student Research Intern, University of Dallas, Irving, TX September 2014 – Present

- Designed and developed the *Textual Analysis Tool* web application to increase student understanding of philosophical texts by streamlining the analysis process.

Student Aide, University of Dallas Rome Office, Irving, TX August 2012 – May 2016

- Provided office IT and website solutions that improved concept-to-completion time and ease of user interaction.

Computer Science Educator, Rex Programming, Irving, TX Fall 2015

- Instructed middle school students in introductory PHP and basic server-side capabilities.

Computer Science Tutor, University of Dallas, Irving, TX Fall 2014

- Improved underclassmen's understanding of computer science concepts.

Student Intern, Sandia National Labs: Center for Cyber Defenders, Albuquerque, NM Summer 2013, Summer 2014

- Developed a Python API for JavaScript REST and JSON RPC requests, facilitating communications in a distributed software package.
- Led team to design and develop an interactive user interface to aid analysis of network traffic using port-agnostic methods to define "normal" and to detect "abnormal" Internet traffic.
- Developed information accessibility modules in workflow software used to maintain the nuclear weapons stockpile.

Software Engineer Intern, Kirtland Air Force Base Research Laboratory, Albuquerque, NM Summer 2011, Summer 2012

- Developed workflow software tools for processing digital paperwork, decreasing document desk time.
- Built SharePoint sites, SQL procedures, and C# web applications.

Freelance Webmaster, Albuquerque, NM 2009 – Present

- Developed and maintained informational websites for multiple local non-profit organizations.

SPECIAL PROJECTS

Latin Poet – A Java application to compose Latin "poetry," utilizing grammar and meter producing algorithms

Hands-Free Mouse – Algorithms to control a computer mouse based on head movement, increasing computer accessibility

Number Type Identifier – A PHP application to explore number types: Prime, Perfect, Abundant, Deficient

Book Cataloging – A book library web application utilizing an API to improve home book tracking

Greek Word Quiz – A language vocabulary web application for educational purposes

SELECTED EXTRACURRICULAR ACTIVITIES AND AWARDS

Phi Beta Kappa Society 2015

ACM International Collegiate Programming Contest, South Central USA Regional Contest 2012, 2013, 2014

International Science and Engineering Fair, *Hands-Free Mouse Control Using Accelerometer Tilt* 2012

Third Award, Computer Science Category