Gabriel Bustamante

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Professional Experience

Houston Methodist Hospital, Houston, Texas | Full-time Sitecore Contractor | August 2016 – Present

I performed maintenance tasks on the Houston Methodist website, houstonmethodist.org, using the Sitecore CMS. I populated location data items containing information about different Houston Methodist practices, added metadata to several pages for search engine optimization, and cleaned up the website's media library.

EAPM Inc. Houston, Texas | On-call Website Administrator | June 2016 – Present

I Implemented the new company website, project-camp.com, using the WordPress CMS, CSS, HTML, and CPanel. I kept the site uninterrupted by developing the new site under a different domain. Once the new site was developed I successfully migrated it onto the production domain. I am currently search engine optimizing the site using Yoast and the google webmaster console. Additionally, I administer the company's CPanel mail server.

Neudesic LLC, Houston, Texas | Part-time Student Associate | June 2015 – July 2016

I provided user level support, code based troubleshooting, and problem identification to multiple custom solutions. I completed on-boarding training on Quality Assurance, SQL Server Management Studio, Team Foundation Server, Visual Studio, and ASP.NET. During my time as a student associate I worked on the following projects:

Custom Application Support for the American Cancer Society

I served as one of two team leads for a group of 12 student associates. We provided user level support for several ASP.NET MVC web applications and a multi-platform mobile application. We aided Developers in identifying, resolving, and logging bugs while carrying out our QA responsibilities using TFS. I created several class and business flow diagrams in an effort to improve application documentation.

Custom Application Development & SharePoint Support for HESS Inc.

A team of 5 student associates and I provided Tier 2 technical support for a user base of over 3000 people. We administered and supported various servers in order to update, modify, and deploy over 100 web applications and custom SharePoint solutions. I reported and fixed multiple bugs on 2 of the web applications and performed database administration duties on 3.

Education

University of Houston-Downtown, Houston, Texas | B.Sc. Computer Science Candidate | June 2017

I am Mathematics Minor, a member of ACM's UHD Chapter, the UHD Garden Club, the CST Dean's list, and my current GPA is 3.32. I have participated in the following programs and research projects:

UHD STEM Research Training Center | Research Leader | June 2016 - Present

A member of the faculty, me, and another research leader are teaching the fundamentals of programming to undergraduate students using the C++ programming language. We are helping the students implement individual computer science related projects using a programming language of their choice. This program was made possible thanks to a grant from the Texas Workforce Commission and UHD's Scholars Academy.

Discovery of Dense and Active Sub-Networks Conserved Across Multiple Cancer Types | January 2016 – May 2016

A fellow student and I, with the help of a faculty mentor, produced networks reflecting the Pearson correlation between pairs of genes using MATLAB. Then, using Python, we implicated novel genes in the triggering of cancer across multiple tissue types. We submitted a poster and presented our project at the University of Houston-Downtown's 15th Annual Student Research Conference.

A Signal Processing Tool for OpenBCI | September 2015 – January 2015

A team of 2 students, me, and two faculty mentors implemented several common signal processing functions using SusaLib and C++. We created an extensible EEG data processing tool compatible with 32-bit OpenBCI boards. We submitted a paper on this tool to the 2016 Workshop on Software Engineering in Healthcare Systems.