Valentin Becerra

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Professional Summary

Talented Computer Scientist focused on developing useful solutions to meet changing business and customer demands. Knowledgeable team leader well-versed in concept design and implementation.

Experience

W.M. Keck Center For 3D Innovation • Research Assistant

- Designed and managed database application using PHP and MySQL.
- Built computer-controlled systems for interpreting and altering the machine specific code of 3D printers using Python.
- Modified and improved existing computer code to ensure up to date technology and techniques are implemented.
- Composed materials for reports, presentations, and submission to peer-reviewed project reports.

El Paso Community College • Peer Leader
El Paso, TX • 08/2016 - 05/2017

- Tutored students individually and in small groups to reinforce learning concepts.
- Created new lab assignments based on course objectives.
- Drafted effective learning plans to address students' coding weaknesses and strengths.
- Coached and gave instructional support to students unable to attend regular classes.

Education

University of Texas at El Paso | Jan 2017 • May 2020
500 W University Ave, El Paso, TX 79968
Bachelor in Computer Science, GPA: 2.4

El Paso Community College | Jan 2013 • Dec 2016
919 Hunter Dr, El Paso, TX 79915
Associate in Computer Science, GPA: 3.7

Activities

President of the ACM Chapter Computer Science and Information Technology Club
(Fall 2016 • Spring 2017)

Secretary of the ACM Chapter Computer Science and Information Technology Club
(Spring 2016)

Skills

Programming Languages:
- Fluent in Python, PHP, MySQL, Java, Git
- Experience with C, JavaScript, CSS, HTML, Assembly

Operating Systems:
- Linux, Windows
- Experience with MacOS

Other:
- Uses proper documentation
- Great with teamwork
- Trains others

Projects

Computer Aided Shape Referencing:
Research on shape analysis for fitting circuits within polymer material

3-Dimensional Routing:
Research on circuit routing through 3-dimensional space

Personal Cloud Server:
Personal cloud server that manages and streams over 10 TB of music though smart phone.

Relevant Courses

- Data Structures
- Advanced Object-Oriented Programming
- Computer Organization and Machine Language
- Design and Implementation of Programming Languages