JORGE E. VEGA RODRIGUEZ

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Objectives: To acquire experience through **summer internship** positions in **Computer Engineering**, especially in the field of **Application Development**.

EDUCATION

University of Puerto Rico Mayagüez (UPRM)   Mayagüez, PR
Bachelor of Science, **Computer Engineering**   **Expected Graduation Date:** May 2021
Cumulative GPA: **3.61**   Major GPA: **3.66**

RESEARCH & PROJECT EXPERIENCE

Abarca Health, LLC - *Migration of User-Permission Management System*   San Juan, PR
Software Engineering Internship   May 2019 - Aug 2019

- Updated database items like Stored Procedures and Synonyms to implement a new user-role-permission logic across Abarca's applications.
- Found and fixed bugs to enable usage of an application to manage the new user-role-permission system, using Angular for the frontend and C# for the backend API.
- Organized the permissions table by validating used vs. unused permissions, standardizing naming conventions and fixing spelling / grammatical errors.

A Steady-State Visual Evoked Potential (SSVEP) Brain Computer Interface (BCI)   Mayagüez, PR
for Visual Cognition, Industrial Affiliates Program (IAP) Project
Undergraduate Researcher, Computer Engineering Department, UPRM   Aug 2018 - May 2019
Principal Researcher - Dr. Vidya Manian

- Designed and implemented a Python application to interface with the Cyton Board and retrieve EEG data, apply data processing algorithms and provide feedback to the user.
- Implemented a visual stimulus for the BCI using MATLAB.

SKILLS

- Proficient in Java
- Basic knowledge in: C#, Python, Angular, Entity Framework 6, SQL, MATLAB, C
- Fully bilingual (English / Spanish)

- Adobe Photoshop, GIMP, LogicWorks
- Microsoft Word, Excel, PowerPoint
- Scrum and Agile Methodology, TFS
- Git Version Control (GitKraken)

RELEVANT COURSES / WORKSHOPS

- Key Principles of Lean Manufacturing
- Peer-Led Team Learning CAHSI Workshop

- Data Structures
- Microprocessors and Embedded Systems

VOLUNTEERING / EXTRACURRICULAR EXPERIENCE

Community Engagement Project Coordinator   San Juan, PR
- Created workshops and activities to promote interpersonal engagement   Aug 2015 - May 2016
between residents in the Los Olmos Condominium community.

AFFILIATIONS

- Society of Hispanic Professional Engineers (SHPE), *Member of Support Team*
- Institute of Electrical and Electronics Engineers Computer Society (IEEE CS), *Member*

AWARDS

Engineering Pearls Program (UPRM)   Aug 2018
Lockheed Martin Scholars Program   Feb 2017
Banco Popular Foundation's Rafael Carrión Jr. Award for Academic Excellence   May 2016