David R. Diaz

daverd93@gmail.com | 347-707-0503

CAREER SUMMARY

Lead the technical design and implementation of CLM software on the Salesforce.com platform across 6 clients ranging from the healthcare to high tech sectors. Responsible for gathering functional requirements and assembling design specifications within a project's scope. Delivered client-facing demos to showcase proof of concept design options and development. Worked with external vendors to resolve integration issues. Skilled in project planning, resource allocation, and communicating project status reports. Consistently maintain long-lasting, positive relationships with clients.

EDUCATION

Cornell University, Ithaca, NY   May 2016
Master of Engineering in Mechanical Engineering

Cornell University, Ithaca, NY   May 2015
Bachelor of Science in Biological Engineering, Concentration in Biomedical Engineering
Minor in Applied Economics and Management

RELEVANT EXPERIENCE

System Engineer/Business Analyst   August 2016 – Present
Mainspring Consulting Group, (Remote with 25% Travel)

- Lead technical design and development of Apttus CLM software implementations in Salesforce.com
- Experienced in both Agile Scrum and Waterfall project frameworks
- Collaborate with stakeholders to identify Functional Requirements, document design specifications and business process flow maps
- Build code customizations with Apex Classes and Tests through Salesforce Apex Code (Java-like language)
- Configure system permissions and data security
- Proficient in ETL processes for Salesforce configuration and record data using dataloader.io powered by MuleSoft
- Coordinate release management across 3 web environments
- Communicate with external vendors for issue resolution
- Delivered bi-weekly sprint product demos, user acceptance testing, and product training to a global audience
- Developed reports and dashboards detailing contract cycle times, user productivity, pending tasks, and contract forecasting
- Leveraged Kira software for Optical Character Recognition (OCR) of PDF files, identification of metadata, and data migration of 20,000+ legacy contracts to new system environment

Mechatronics Autonomous Robot Project   Winter 2015
Cornell University, Master of Engineering, Ithaca, NY

- Built an autonomous robot on Arduino-UNO microcontroller and procured components in 3 weeks for a competition, resulting in 4th place in Cornell's annual ASML-sponsored sumo robotics competition with 40 participating teams
- Purchased and assembled components within budget (LEDs, resistors, op-amps, motors, IR sensors).
- Measured components' voltage, resistance, and signal frequency with digital multimeter and oscilloscope.
- Designed an H-bridge circuit for motor control and implemented sensor-activated trigger.
- Wrote and deployed C/C++ code to Arduino-UNO microcontroller using Atmel Studio.

Lab Technician & Project Team Lead   June 2014 – October 2015
Material Science & Engineering Department, Ithaca, NY

- Analyzed material property data of 90 diabetic bone samples using a Matlab-based application resulting in JBMR publication.
- Constructed a Macro program to automate processing of data, significantly reducing analysis time and manual errors.
- Performed troubleshooting of laboratory equipment, analysis software, and network issues.
- Produced concise protocols for utilizing software, FTIR imaging equipment, and experimental procedures.
- Coordinated meetings with team of undergraduates to communicate objectives and updates to projects.

Other Skills & Accomplishments

- Co-Author in published peer-reviewed research article in Journal for Bone and Mineral Research
- Intermediate Programming in Apex / Java / Python / Javascript / C++ / MATLAB / R / SQL
- Completed Graduate-level course in Bioinformatics Programming
- Certified in Apttus CLM / R Programming (Coursera) / Data Scientist's Toolbox (Coursera)
- Utilized Kira software for identification of metadata through machine learning quick studies
- Spanish (fluent in speaking and writing)