Carlos Beas

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www.linkedin.com/in/CarlosBeas

Care. Commitment. Passion. Leadership.

I am a Computer Engineer professional looking for opportunities in Software Development and Data Science. My strengths include being an innovative risk taker that focuses on delivering results and enabling others by being a strong team player. Throughout my career, I have looked for opportunities to take responsibilities that are outside regular scope of work in order to Innovate and create more value to my customers. I look forward to applying my strengths to enable powerful decision making through my work in my next job role as a Data Scientist.

PROFESSIONAL EXPERIENCE

Intel Corporation| Chandler, AZ   June 2011-Present

Software Developer

- Successfully pitched and obtained management approval to drive the development of a data formatting Perl application to facilitate the extraction of power model parameters from raw test data. The resulting data is used to analyze the static and dynamic power scaling profile of Intel products.
- Was responsible for idea conception, algorithm implementation, testing, debugging, deploying and proliferating the use of the tool to the larger engineering community at Intel.
- The successful implementation of the tool reduces time to data by 10X and saves Intel ~$80,000.00/yr.

Data Science – Project Manager

- Developed an algorithm and proof of concept to evaluate and comprehend how end-users utilize Intel products and to what degree user-initiated applications incur in application concurrency ("multi-tasking") events during typical operation.
- Took responsibility for managing SW development, testing and validation strategies in the Hadoop ecosystem.
- The resulting tool is being used to drive product qualification decisions in Notebook, Smartphone and Client PC market segments. The work and results have been featured in an International Reliability Physics Symposium (IRPS) 2016 Publication.

Product Quality and Reliability Engineer

- Owned responsibility for driving compliance with product design specifications, testing requirements and stress qualifications for a spectrum of Intel products ranging from Client Desktop to Atom System-on-chip architecture.
- Supported product reliability applications ranging from communications infrastructure to Advanced Drivers Assistance Systems (ADAS).
- Developed and ran Monte-Carlo simulations leveraging silicon technology reliability physics to model wear out, degradation and other silicon failure mechanisms to drive product level decision-making and failure rate compliance.

EDUCATION

Specialization Courses:

- **Hadoop and MapReduce | Udacity**
  February 2016

School:

- **The University of Texas at El Paso | El Paso, Texas**   May 2011 Masters of Science in Computer Engineering   Cumulative GPA: 3.6

- **The University of Texas at El Paso | El Paso, Texas**
  December 2008   B.S. Electrical and Computer Engineering   Cumulative GPA: 3.5

SKILLS

- **Advanced:** PERL, C, Python, Linux/Unix shell scripting.
- **Intermediate:** Object oriented programing in JAVA and C++, parallel computing using Message Passing Interface (MPI), Artificial Neural Network (ANN) Implementations, Machine Learning, Data Analysis using JMP and Excel.
- **Knowledgeable:** Hadoop File System, Hive, Flume, Impala, Oozie, SQOOP, SQL, PIG.
- Fluent in English and Spanish.
- Experienced at managing verbal and written communications with internal and external customers.

LEADERSHIP AND INVOLVEMENT

Spectrum Life Design - Velocity 11 Graduate | Los Angeles, CA   September 2015-January 2016

LEADERSHIP AND INVOLVEMENT

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- Member of a team of courageous leaders dedicated to empower the world through leadership.
- Participated in the successful coordination and execution of community service events that aimed to bring the larger community together, feed the hungry and empower others through leadership.

Valley of the Sun United Way | Phoenix, AZ   Ongoing
- Repeat volunteer at community service projects that are aimed at increasing literacy in the larger community.

(Sauciuc, 2016)