Vaughn Emerson Smith

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Computer specialist and entrepreneur with 10+ years of professional experience in information technology, digital design, data science analytics, client interaction, and geographic information systems. Expert and highly familiar with a wide variety of design and data-related software, and entrepreneurial experiences provided a wide array of skills in all aspects of a business.

PROFESSIONAL EXPERIENCE

Dynamic Green Concepts LLC / BioTerra LLC   **Lubbock, TX**
Chief Information Officer & Partner   *January 2012 – January 2023*
- Involved in startup of international distribution/consulting company focusing on agricultural sustainability
- Increase crop yields/quality and organic material in the soil through use of enzymatic bio-stimulants
- Duties include: web design, database administration, consulting, research, field sampling, product testing, financial forecasting, government procurement, commodity sourcing, marketing & sales, and drone & satellite survey analysis

Cerner Corporation   **Kansas City, MO**
Delivery Consultant – Pharmacy and Supply Chain   *January 2010 – January 2012*
- Participated in nationally ranked Velocity training program
- Design, build, and maintain healthcare information technology systems and devices
- Maintain relationships with clients (in Kansas City and at client locations) for several months to years
- Lead service request project teams and train new associates

Express Scripts   **St. Louis, MO**
Intern – New Product Development   *May 2009 – August 2009*
- Research, analyze and present the feasibility of new product concepts
- Support New Product Development team product managers
- Managed one product concept through entire development process from research to full business case

EDUCATION

Graduate – Texas Tech University – College of Agricultural Sciences and Natural Resources   **Lubbock, TX**
Master of Science in Wildlife, Aquatic, and Wildlands Science and Management   *December 2017*
Thesis: "Near real-time monitoring of tropical dry forests in North and Central America"
Cumulative GPA: 4.00 / 4.00

Undergraduate – Saint Louis University – John Cook School of Business   **St. Louis, MO**
Bachelor of Science in Business Administration (cum laude)   *August 2009*
Concentration in Entrepreneurship, Minor in Computer Science
Cumulative GPA: 3.55 / 4.00

PUBLICATIONS

- Smith, V., Portillo-Quintero, C., Sanchez-Azofeifa, A., Hernandez-Stefanoni, J.L. "Assessing the accuracy of detected breaks in Landsat time series as predictors of small scale deforestation in tropical dry forests of Mexico and Costa Rica." *Remote Sensing of Environment*, vol. 221, February 2019, pp. 707-721.
- Portillo-Quintero, C., Smith, V. "Emerging trends of tropical dry forests loss in North & Central America during 2001–2013: The role of contextual and underlying drivers." *Applied Geography*, vol. 94, May 2018, pp. 58-70.

COMPUTER EXPERIENCE / SKILLS

Operating Systems – Microsoft Windows, Linux, Mac

Software – Microsoft Office (Word, Excel, PowerPoint, Access, Outlook), Oracle, Internet Explorer, Mozilla Foxfire (Ubiquity), Google Chrome, Adobe Photoshop, Gimp, Microsoft and Apple movie editors, Ableton, SharePoint, ArcGIS, ERDAS, MatLab, SAS

Languages – HTML, Java, Python, C++, SQL, R

CAMPUS / COMMUNITY ACTIVITIES

- Environmental Sustainability Committee (2009)
- SLU Just Earth (Spring 2009)
- SLU Habitat for Humanity (2008 – 2009)
- SLU Collegiate Entrepreneurs' Organization (2008 – 2009)
- Golden Key International Honor Society (2007 – 2009)
- English as a Second Language Teacher (Spring 2008)
- Greenhouse research on soil microbial biostimulant efficacy (2016-2017)

HONORS / AWARDS

- Billiken Angel Network Business Plan Contest 3rd Place (Spring 2009)
- Senior Legacy Symposium Participant (Spring 2009)
- Idea 2 Product – 2 Honorable Mentions (Spring 2007)
- Beta Gamma Sigma – Honors Fraternity
- Golden Key - Honors Society
- Dean's List (4 semesters, 2005-2009)
- Martin Luther King Jr. Scholar