**Alexander Stensland**

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**Summary of Qualifications**

Alexander has over two years of experience in a diverse range of systems engineering, software development and data modeling practices; including full stack development, data analysis and communications. He has worked with both small- and large-scale public sector clients focused on delivering technology and process improvement solutions. He is recognized for his skills in leading and managing effective teams, delivering pragmatic business solutions, building relationships with executive stakeholders, and managing complex transformational projects in a high-stakes and fast-paced environment.

**Experience**

**Booz Allen Hamilton** – *Software Engineer / Analyst*; Dayton OH  *August 2022 – Present*

* Strategically designed, executed, and oversaw comprehensive end-to-end development of systems within different industries leveraging cutting-edge software solutions to deliver results.
* Managed the software development life cycle of each system, using Agile methodology, from initial requirements determination to operations, ensuring active participation from domain experts.
* Optimized project outcomes through the tailoring of test processes aligned with project-specific demands, impacting over 250+ stakeholders nationwide.
* Crafted a comprehensive verification and validation strategy, playing a pivotal role in facilitating the adoption of new business initiatives by a team of 25 professionals.
* Leveraged a keen understanding of data analytics and MBSE principles to drive effective decision-making and maximizing value creation opportunities.

**Scientific Research Corporation** – *Systems Engineer*; Charleston SC *November 2021 – May 2022*

* Constructed model-based representations using data architectures and data models to facilitate interoperability to improve business efficiency and performance.
* Collaborated with cross-functional teams in the development of project deliverables.

**Golf Company Executive Officer** – *XO*;Charleston SC *August* *2021 – May 2022*

* Spearheaded a team of seven officers to work with school administration to maintain and uphold academic, physical, moral, and disciplinary standards for 100+ cadets in a senior military college environment.
* Modernized systems for planning, coordinating, and executing the logistical and administrative support necessary to ensure all company level missions are properly resourced, synchronized, and managed.

**Skills**

**Languages / Development Tools:** C++, C#, C, Git, Python, HTML, CSS, JavaScript, Visual Studio, CMake

**System Modeling Software / Products:** AFSIM, MATLAB, Cameo, GitLab, Jira

**Technical Projects**

**Novel Modified Layer-by-Layer Ionic Self-Assembly for 3D Control** – *Research Assistant*; Charleston SC *2021 – 2022*

* Characterized and published novel process for polymer film fabrication using UV-Vis absorption spectroscopy. Developed documentation and fabricated layer-by-layer polymer films using an Arduino controlled robot-dipper.

**Multivariate Decomposition of Acoustic Signals** – *Research Assistant*; Charleston SC *2019 – 2020*

* Conducted research in the field of drone detection through analysis of unique acoustic properties of a drone. Programmed algorithms and implemented multidimensional arrays for data analysis.

**Education**

**The Citadel, The Military College of South Carolina**, Charleston SC *2022*

*Bachelor of Science:* ***Physics***

Honors: *Magna Cum Laude*

**California Institute of Technology**, Pasadena CA *2020*

*Model-Based Systems Engineering Certificate of Completion*