Contact

3144201918 (Mobile)

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www.linkedin.com/in/alex-flynn-72b500265 (LinkedIn)

Top Skills

Python (Programming Language)

Machine Learning

C++

Alex Flynn

Software Engineer @ Boeing | Master of Science in Engineering
Data Analytics and Statistics

St Louis, Missouri, United States

Experience

Boeing

5 years 3 months

Software Engineer

July 2020 - Present (4 years 2 months)

St Louis, Missouri, United States

• Developed models and simulations for Avionics Systems using C, C++, and
Ada in a Linux environment for USAF pilots.

• Occupied the role of Electronic Warfare Subject Matter Expert, while also
working on Digital Communication and Navigation capabilities under RTOS
constraints.

• Developed and utilized an automated regression test suite in C# within Visual
Studio to discover defects and ensure efficient integration of new capabilities
with legacy systems.

• Integrated Mid-Mission initialization capability, reducing boot-up time from 15
minutes to less than a minute, saving hundreds of hours monthly.

Electrical System Design Engineer

June 2019 - July 2020 (1 year 2 months)

St Louis, Missouri, United States

• Defined and updated system and software requirements to enhance system
efficiency and traceability for avionic systems on an Air Force platform.

• Developed and maintained avionic systems' design architectures, including
interface and sequential diagrams, to improve use-case capability algorithms.

• Successfully created the Interface Control Document for the Digital
Communication Capability on the Warfighter, establishing a contractual
obligation with the customer.

Education

Washington University in St. Louis

Master of Science - MS, Engineering Data Analytics and Statistics · (January
2020 - May 2023)

University of Missouri-Columbia

Bachelor of Science - BS, Electrical Engineering · (August 2015 - May 2019)