

Aleksey Matyushev

Permanent Address:
230 23rd street
West Des Moines, IA 50265
aleksey@openae.org

Current Address:
1228 Bel Aire Drive
Daytona Beach, FL 32118
alekseymatyushev@gmail.com

OBJECTIVE To acquire a technical entry level position in the aerospace industry.

WORK EXPERIENCE

Systems Engineering Intern **October 2008 to Present**
Raydon Corporation **Daytona Beach, FL**

- Reversed engineered product requirements for military combat trainers
- Development of high and low level requirements per Government contracts
- Incorporating systems engineering development techniques in project design
- Work directly with sub-system leads and managers to uphold system requirements

Technical Intern I, Systems Integration & Test **Summer 2008**
Ball Aerospace **Boulder, CO**

- Wrote and conducted test procedures on NPOESS Preparatory Project satellite
- Investigated electromagnetic interference anomaly in the ground support equipment; researched past instances, prepared test setup, conducted test, and drafted report
- Updated and released systems engineering reports

Executive Officer **Summer 2007 to Present**
Lexegy LLC. **Des Moines, IA**

- Wrote and filed a provisional patent application
- Designed and coded prototype program in Java to accompany the patent application
- Administer and coordinate a software development team

Summer Intern **Spring and Summer 2006**
Compressor Controls Corporation **Des Moines, IA**

- Tested hardware and software in turbo machinery to verify product specifications
- Assembled and prepared test stands to conduct upgrade safety tests
- Prepared upgrade procedure documents for field engineers

PROJECT EXPERIENCE

Consulting for EQP2 Aircraft
Volunteer as a consultant for a multi-national team in Oslo, Norway for the development of the EQP2 amphibious aircraft prototype. In charge of aerodynamics, wing design, and overall systems level conceptual integration.

Creator of OpenDatcom Prototype and Co-Creator of the OpenAE Community
Developed a prototype Graphical User Interface (GUI) capable of interfacing with USAF Digital DATCOM program written in FORTRAN. The program provides extended functionality of DATCOM and creates tables which are compatible with JSBSim. The OpenDatcom program is currently being integrated into two university stability class curriculums. Created a corresponding website and are facilitating and managing an open aerospace community.

EDUCATION Embry-Riddle Aeronautical University -- Expected Graduation Date: May 2010
Bachelor of Science in Aerospace Engineering
Minor in Computer Science, Specialization in Aeronautics

COMPUTER SKILLS

Operating Systems: Windows, Macintosh OS, UNIX, and Linux
Languages: C++, CSTOL, Java, Java ME, XML, and HTML
Software: CATIA, Satellite Tool Kit, DATCOM, MATLAB, NEiNastran, Maple, XFOIL, Eclipse, NetBeans, AutoCAD, and DOORS

AWARDS ERAU Scholarship, National Society of Collegiate Scholars, Dean's List, and Honor Roll

ACTIVITIES Tennis, Skiing, Rock Climbing, Bouldering, Volleyball, Guitar, and Combo Jazz Band

LANGUAGE Fluent in Russian, Ukrainian, and English