Elisabeth Enricks

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OBJECTIVE To obtain a full-time position as a Software Engineer

EDUCATION

Embry-Riddle Aeronautical University (ERAU) — Daytona Beach, FL
Master of Science, Software Engineering — May 2022
GPA: 3.72

Embry-Riddle Aeronautical University — Daytona Beach, FL
Bachelor of Science, Computer Science — May 2020
Minor in Mathematics — GPA: 3.23

PROJECT EXPERIENCE

Software Project, **Development Manager**, 4-person team
Developed HTML-based commercial flight scheduling software using Python, Java, and JavaScript capable of scheduling passengers, pilots, and aircraft for flights. Designed custom web server in Java.

Design Competition: Fuel for Mars, **Software Sub-Team**, 5-person team
Developed an autonomous oxygen production and storage system to produce fuel for future manned missions to Mars. Programmed fuel pump release valve. American Institute of Aeronautics and Astronautics (AIAA) Design Competition, 2019, placed 1st in region.

WORK EXPERIENCE

Center for Aviation and Aerospace Research, ERAU — Daytona Beach, FL
Software Engineer — January 2018-Present

- Redesign and engineered an object-oriented distributed real-time air traffic control simulation to add full 4D trajectories for aircraft navigation, controller conflict avoidance, and dispatch operations
- Engineer air traffic management decision support tools
- Interface real-time simulation with aircraft simulators and live aircraft using ADS-B
- Design and coded inspections, quality assurance, and documentation

Sikorsky Aircraft Company — Stratford, CT
Junior Software Engineer Intern — April 2018-August 2018

- Performed unit tested navigation and flight instrument software for the Comanche
- Created desktop simulation software; Participated in design and code reviews

Central Intelligence Agency — Washington, DC
Computer Systems Analyst/Programming Intern — April 2017-August 2017

- Collected and reviewed requirements for developing necessary applications
- Programmed CGI utilizing C
- ***Attained Top Secret Security Clearance***

COMPUTER SKILLS

Programming Languages:	Ada, C#, C, C++, HTML, FORTRAN, IDL, Java, VB.NET Python, JavaScript
Processes:	Personal Software Process (PSP), Team Software Process (TSP)
Operating Systems:	UNIX, Windows 98/2000/XP/2003, UNIX, Linux, DOS, Solaris
Software:	Microsoft Visual C++, Dreamweaver, Object Ada, Lotus Freelance Graphics, Adobe Photoshop, 3D Studio Max, Microsoft Office Suite
Data Technologies:	XML, SQL, SQL Server, Oracle, MySQL