

Ian T. Ernett

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OBJECTIVE

To obtain a position as a Software Engineer with The Boeing Company

EDUCATION

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY (ERAU), Daytona Beach, FL
Master of Software Engineering
May 2007, GPA: 3.72

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY, Daytona Beach, FL
Bachelor of Science in Computer Science
Minor in Mathematics
December 2005; GPA: 3.23

PROJECT EXPERIENCE

Team Software Project – Served as development manager in a four-person team.
Developed HTML-based commercial flight scheduling software using Python, Java, and JavaScript. Computerized the process of scheduling passengers, pilots, and aircraft for flights.
Designed custom web server in Java.

American Institute of Aeronautics and Astronautics Design Competition – Developed an autonomous oxygen production and storage system to produce fuel on Mars for a future manned mission.

WORK EXPERIENCE

ERAU CENTER FOR AVIATION AND AEROSPACE RESEARCH, Daytona Beach, FL
Software Engineer, January 2006-May 2007

- Redesigned 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
- Engineered air traffic management decision support tools
- Interfaced real-time simulation with aircraft simulators and live aircraft using ADS-B
- Designed and coded inspections, quality assurance, and documentation

SIKORSKY AIRCRAFT COMPANY, Stratford, CT
Junior Software Engineer Intern, April 2005-August 2005

- 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/ Programmer Intern, April 2004-August 2004

- Collected 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
Operating Systems – UNIX, Windows 98/2000/XP/2003, UNIX, Linux, DOS, Solaris
Software – Microsoft Office (Word, Excel, Access, PowerPoint), Microsoft Visual C++,
Dreamweaver, Object Ada, Lotus Freelance Graphics, Adobe Photoshop, 3D Studio Max
Data Technologies – XML, SQL, SQL Server, Oracle, MySQL
Processes - Personal Software Process (PSP), Team Software Process (TSP)