

Alex Baumgarten

abaumgar@iastate.edu

Current Address:
223 Lynn Avenue
Ames, Iowa 50014
(563)-650-4864

Permanent Address:
4475 Aspen Hills Circle
Bettendorf, Iowa 52722
(563)-332-7693

Education: **Iowa State University, College of Engineering, Ames, Iowa** 08/03 - 12/05, 08/06 - Present
Major: B.S. Computer Engineering, Spanish Graduation date: 05/08
Cumulative GPA: 3.94 / 4.00 Major GPA: 4.00 / 4.00

Universidad de Extremadura, Cáceres, Spain 01/06 - 05/06
Completed 12 credits taught completely in Spanish. Interacted daily with Spaniards, students and host family. Traveled to seven countries interacting in various cultures and languages.
Cumulative GPA: 4.00 / 4.00

Skills:

- Knowledgeable in circuit and **digital design principals** and **object oriented analysis and design**.
- **Languages: C/C++, VHDL, Verilog, MIPS Assembly**, Proficient in written and oral **Spanish**.
- **Software: MATLAB Simulink, ClearCase, VISTA, Reactis, Rhapsody, LDRA, Quartus II, Pspice, ModelSim, AutoCAD, Pro/Engineer, Adobe Premiere 6.5**, and all Microsoft Office applications.

Employment:
05/07 - 08/07 **SEPP Engineering Intern, Flight Control Systems, Rockwell Collins – Cedar Rapids, Iowa**
Worked on a team to automate testing of code generated from **Simulink** models. Wrote the automation in C and verified in **VISTA**. Created significant cost reduction by decreasing the testing time ten fold. Required robust programming to ensure accuracy and communication with team to integrate process.

05/06 - 07/06 **Academic Intern, IBSTE – Barcelona, Spain**
Attended 120 hours of Spanish training. Investigated Spanish culture through literature. Wrote a socio-cultural composition on Gràcia, Spain accomplished through personal interviews, and research in Spanish to further a non-profit organization startup. Required **communication in Spanish**, and self-motivation

08/04 - 08/05 **Elected Recruitment Chairman, Beta Sigma Psi, Fraternity – Iowa State University**
Maintained a budget of \$7500, created promotional material, contacted hundreds of students in order to recruit 15 men to live in the fraternity. Facilitated their transition to college. Required effective written and **oral communication** to sell the experience to both the parents and the students.

05/04 - 08/04 **Engineering Intern, Rock Island Arsenal, Department of the Army – Rock Island, Illinois**
Modeled weapon components for presentation with **Pro/Engineer**. Oversaw the modifications of part specifications through departmental approval. Required written and oral communication to organize and run meetings, time management and **self-accountability** to meet deadlines.

Leadership:
01/04 - 05/04 **Elected Recording Secretary, Beta Sigma Psi, Fraternity House - Iowa State University**
Recorded minutes and attendance for the weekly General Assembly and the Executive Board Meetings. Distributed minutes to the National organization, faculty and alumni advisors. Maintained events and **actively participated** toward a positive change on behalf of house members.

01/01 - 07/03 **Active Team Member/Speaker, City Wide Worship – Bettendorf, Iowa**
Initiated start-up of monthly gathering of 300 students. Scheduled, organized and coordinated meetings and monthly events with three team members including location, speaker, band, drama, volunteers, flyers and web-site promotion. **Assessed effectiveness** for monthly improvements. Required effective oral and written communication to motivate pastors, congregation, teenagers, and the community.

Awards: 8 semester *Deans List*; **On the Spot Award for excellence in the Department of the Army 08/04**; *Order of Omega Freshman of the Year 10/04*; *Quad-City Times Salute to Academics and Achievements 05/03*;

References available upon request