Alexander Kratz

Home Address	In Session Address
242 5th ST SE Waukon, IA 52172	6312 Frederiksen Court Ames, IA 50010

E-mail: askratz@iastate.edu
Cell Phone: 563-568-7645

OBJECTIVES:
To obtain a full time position in a growing company as a team-player where I can expand my engineering and development skills to facilitate as well as benefit the company.

EDUCATION:

- ***Iowa State University*** Ames, IA
  Bachelor of Science in Computer Engineering
  Expected Graduation: May 2013

COMPUTER ENGINEERING PROJECTS:

- ***Independent Study***
  - Designed and developed a web application to support professors' ability to find projects and assignments for their students.
- ***Senior Design***
  - Designed and developed an Android bio-feedback device for personal relaxation and stress reduction.
- ***iOS Video Game***
  - Designed and developed a demo for an iOS game.
  - Game play revolved around using the touch screen to drop different types of asteroids on a town, and earn points by creating destruction.
- ***XNA Video Game***
  - Designed and developed a small game for Windows and Xbox using XNA.
  - Grid based tactical RPG, with the objective of hiring mercenaries to fight and eliminate the opposing Hero.

EXPERIENCE:

- ***ISU- Virtual Reality Applications Center (VRAC)*** September 2011 – Current
  Research Assistant
  - Worked on Augmented Reality training application
- ***Trapeze Software Group*** May 2012 – August 2012
  Mobile Software Engineering Intern
  - Research third party Text-to-Speech engines
  - Stress tests for Compact Flash cards
  - Speech recognition using SAPI
  - Hardware tester boot loader
- ***BWR Hall Council*** September 2009 – May 2010
  IT Chair
  - In charge of maintaining residence hall's website

KNOWLEDGE AND LEADERSHIP SKILLS:

- *Programming Language*: Java, C\C++\C#, Objective C, Python, PHP
- Windows, Mac, and Linux development
- *Game Development Club*
  - Public Relations Officer; Head of Events Committee; and the Technical Workshop Leader
- *Team PrISUm solar car team*
  - Designed battery protection module in addition to assisting with the software.
- Understanding of software design and project management