

James W. Cayer III

CURRENT ADDRESS
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Ames, Iowa 50014

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302.373.9688
U.S Citizen

PERMANENT ADDRESS
1719 Pennrock Road
Wilmington, DE 19809

OBJECTIVE

To secure a position in which I can apply my academic preparation, enthusiasm, and skills in the area of meteorology, forecasting, and renewable energy.

EDUCATION

Iowa State University

Bachelor of Science in Meteorology and Environmental Studies
Anticipated Graduation: May 2014

Ames, Iowa

OVERALL CUM GPA: 2.94/4.0
MTEOR CUM GPA: 3.14/4.0
ENV S CUM GPA: 3.56/4.0

WORK EXPERIENCE

Stanley's Tavern

Busser/Host

Wilmington, DE

March 2008-August 2010

- Cleaned tables and seated customers
- Performed other tasks given by management as well because of my willingness to go above and beyond my normal responsibilities

The Pita Pit

Pit Crew Member

Ames, Iowa

February 2011-October 2012

- Open and close store on a regular basis
- Handle money and complete the daily tasks to keep the business running

ISU Dining

Student Lead/Supervisor

Ames, Iowa

October 2012-Present

- Manage student staff on daily tasks throughout workplace
- Handle the counting and deposit of funds for cash registers
- Attend monthly meetings to handle changes within work policies

Iowa State University (Agronomy/Meteorology Department)

Research Assistant

Ames, Iowa

June 2011-Present

- Worked jointly with researchers from the National Center for Atmospheric Research (NCAR) and graduate students from University of Colorado over the summers of 2011-2013 to set up flux towers and Ground-Based Doppler Lidars in crop fields at a wind farm in Central Iowa
- Studied the effects of mixing due to wakes from wind turbines at the surface to 220m.
- Observed the effects of the turbines on crop yield and soil moisture content
- Performed weekly maintenance on Remote Sensors
- Did extensive analysis of the data using Excel Spreadsheets and Matlab on 2011 data
- In the summer of 2013, more measurements were taken using ISU flux towers, and analysis of that data is currently being processed.

LEADERSHIP

- **Iowa State American Meteorological Society (AMS) Student Chapter** (*Freshman-Senior*)

2013 NWA/AMS Student Liaison

Fall/Spring 2013-2014

- Kept the club informed on activities within the NWA and created joint events to gain student interest within the NWA. Persuade students to attend the National Severe Storms and Doppler Radar Conference in Des Moines, IA, which is helpful for professional development as an undergraduate.

- **Phi Kappa Psi Fraternity** (*Freshman-Junior*)

Alumni/Public Relations Chair

Spring 2012

- Setting up events with alumni of the chapter to continue the support and well being of the chapter
- Creating newsletters and other advertisements for chapter philanthropy events to gain support from students

- **Dance Marathon** (*Sophomore-Senior*)

Recruitment and Morale Leader

Fall/Spring 2011-2014

- Dance Marathon is Iowa State's largest student-run philanthropy, which raises funds and awareness for Children's Miracle Network Hospitals, specifically for children treated at the University of Iowa Children's Hospital. Together with hundreds of other college students, I pledged to stand on my feet for 15 hours, representing a small portion of the sacrifice and struggle the children treated at the hospital experience year-round. As part of the Recruitment and Morale Committee for Dance Marathon I've worked since March 2011 to raise awareness about the event and recruit students to join in making the pledge.

ORGANIZATIONS AND ACTIVITIES

- **Intramural Activities**, *Flag Football, Volleyball, and Basketball, Ultimate Frisbee*
- **Philanthropic Events**, *Boys & Girls Club, Relay for Life, Adopt a Highway, St. Thomas Aquinas Community Service Member, Knights of Columbus Member, Dance Marathon*
- **American Meteorology Society (AMS) National Member**, (*Junior-Senior*)
- **Iowa State Student Chapter**, (*Freshman-Senior*)
- **National Weather Association (NWA)**, (*Junior-Senior*)
 - **Central Iowa Chapter**, *Help conduct planning for Annual Severe Storms and Doppler Radar Conference in April, Student Liaison*
- **Iowa Forecasting Challenge**, *Forecasting Challenge for different towns in Iowa (Freshman-Sophomore)*
- **WX Forecast Challenge**, *Forecasting Challenge for cities across the nation (Junior-Senior)*
- **Forecasting for Iowa State Daily**, *Forecasting for Iowa State's daily newspaper (Freshman-Senior)*
- **Iowa State Student Alumni Association**, (*Freshman-Senior*)

REFERENCES

- Stanley's Tavern – N/A
- ISU Dining – Carl Chumos - cchumos@iastate.edu (515-294-8330)
- The Pita Pit – N/A
- Iowa State University – Dr. Gene Takle - gstakle@iastate.edu (515-294-9871)
Dan Rajewski - danrajewski@gmail.com (515-290-4374)