

Adam J. Burns

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Education:

August 2014 – Current
May 2014

University of Illinois. Urbana-Champaign

M.S., Graduate College of Civil and Environmental Engineering
B.S., Atmospheric Sciences, College of Liberal Arts and Sciences

Qualifications:

- Strong programming background in C, C++, Fortran, Mathematica, MATLAB, Python, Ruby, Java, Javascript, Visual Basic, QT, OpenGL
 - Extensive knowledge of Word, Excel, Access, Powerpoint
 - Proficient in Linux/Unix, Windows XP/7/8
 - Experience with weather data acquisition and analysis
 - Experience with circuit design and manufacturing
 - Ability to clearly and directly communicate information
 - Training in high school and Undergraduate level teaching
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Work History:

May 2014 – December 2014 **Course & Curriculum Design Consultant**

Department of Atmospheric Sciences
University of Illinois at Urbana-Champaign

- ATMS 315: Meteorological Instrumentation
- Designed ATMS 315 course lab component
- Instructed students during lab sections

August 2010 – August 2014 **Student Assistant**

University Library · University of Illinois at Urbana-Champaign
1408 W. Gregory Dr.
Urbana, IL 61801.

- Performed customer service duties on a daily basis
- Processed and cataloged new items
- Reorganized and simplified large database systems
- Collected and analyzed circulation statistics

June 2013 - Current

Literature and Languages Library

August 2013 - Current

Rare Book and Manuscript Library

August 2010 – May 2012 Business and Economics Library

June 2013 – August 2014

Student Assistant

Department of Atmospheric Sciences

University of Illinois at Urbana-Champaign

- Designed and built custom data logging circuits
- Researched meteorological sensing technology
- Instructed students on the operation of data logging circuits

Research:

- Extensive investigation into optimal 3D display systems for use with stereoscopic imagery from the MISR satellite
- Improvement of stereoscopic display software for use with a 3D television in a museum-like setting
- Investigated meteorological sensing technologies and designed custom systems based on project goals set by students
- Developed custom data logging circuitry for use with environmental sensing technologies for in situ and unmanned applications

Awards/Achievements:

2014

- Ogura Outstanding Undergraduate Research Award

2013

- University of Illinois Student Employee of the Year Nominee

2009

- National Honor Society Officer

Memberships:

- Environmental & Water Resources Institute – Student Member
- American Meteorological Society – Student Member

References:

Eric Snodgrass – Director of Undergraduate Studies, UIUC Atmospheric Sciences, 217-333-3537

Zoe Revell – Reference and Circulation Desk Supervisor, UIUC Graduate Library, 217-333-3619

Tony Hynes – Public Service Manager, UIUC Rare Book and Manuscript Library, 217-333-3777

Albert, Stuart – UIUC Literatures and Languages Library, 217-300-4611