

# Adam M. Pere [www.adampere.com](http://www.adampere.com)

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## Education

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Union College, *Schenectady, NY*

Bachelor of Science in Computer Science and Visual Arts (Digital Arts)

*June 2013*

GPA: 3.427

Czech Technical University, *Prague, Czech Republic*

*Fall 2011*

**Computer Skills:** Adobe Photoshop, InDesign, Illustrator, Dreamweaver, Bridge, After Effects, Premiere, Cinema 4D, Microsoft Word, Excel, PowerPoint, Quark, Mac, PC, Linux

**Programming Skills:** Proficient in Java, Python, MATLAB, Lotusscript and LaTeX;

Familiar with C++, VB6, Arduino, Processing, OpenGL, HTML & CSS and Unix

## Relevant Experience

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The Union Book, *Editor-in-Chief*

*April 2011 – June 2013*

- Responsible for all aspects of the publication including delegating responsibilities to our staff of 10+ members.
- Facilitate weekly meetings for planning, advertising, photography & design critiques.
- Review all photos and pages before being sent to the publisher.

Computer Science Help Desk, *Director & Tutor*

*September 2010 – June 2013*

- Contact professors to ensure that the tutors are proficient in the programming languages and concepts being taught in class and to keep the tutors aware of current assignments.
- Assist Computer Science students with homework and long-term projects.

IBM, *Poughkeepsie, NY, Software Development Intern*

*June 2012 – March 2013*

- Produced, maintained and fixed Lotus Notes Databases using Lotusscript & Lotus Formula.
- Constructed and repaired internal tools and websites using VB6, HTML, CSS & JavaScript.

Union College, *Schenectady, NY, Research Student*

*June 2011 – August 2011*

- Wrote a Java program to be used as a teaching aid in classrooms to illustrate the Fourier Transform, a mathematical operation that used in both physics and engineering.
- Built multiple Java Programs for Radio Astronomy labs that allows students to plot and analyze data from two different radio telescopes.

## Relevant Coursework

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Senior Project/Thesis, *Union College*

*Fall 2012/Winter 2013*

- Computer Science & Visual Arts Thesis: Worked independently to design and create three interactive robotic sculptures. Each sculpture had a Facebook account where he posted status updates, comments, and photos of the people who visited the robots in the gallery.

Digital Design (Graphic Design), *Union College*

*Fall 2012*

- Became proficient with Adobe Illustrator as well as experience in a variety of industry topics such as: logo design, branding, product/package design and typography.

### Algorithm Design & Analysis, *Union College*

*Spring 2012*

- Learned to design and evaluate algorithms on list processing, string processing, geometric algorithms, and graph algorithms.

### Photography 3, *Union College*

*Fall 2012*

- Worked independently to create a series of 50 analog photographs entitled *Vacant* that focused on locations, which had been occupied by humans but are now left in rubble.

### Physical Computing, *Union College*

*Spring 2011*

- Programmed an Arduino microcontroller with the Arduino programming language and Processing to create interactive artworks, kinetic sculptures and robotic art.

### Large Scale Software Design, *Union College*

*Winter 2011*

- Collaborated with team members on the creation of a graphing program in Java using design notations, tools, and techniques; design patterns and implementation idioms.
- Became proficient with strategies for the systematic design, implementation, and testing of large software systems

### User Interfaces, *Union College*

*Spring 2010*

- Collaborated with team members on the creation and testing of an iPhone application prototype using various techniques such as requirements analysis, conceptual design, and low/high fidelity prototypes.

### Digital Art, *Union College*

*Spring 2010*

- Proficiency with Adobe Photoshop as both a creative and technical tool

### Data Structures, *Union College*

*Spring 2010*

- Became fluent with the Java programming language and object-oriented design.
- Designed and implemented common data structures such as: linked lists, binary search trees, heaps and stacks.

## **Campus Activities**

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Ozone Café, *Waiter*

*January 2012 – June 2013*

Student Media Union, *Founding Member*

*June 2011 – June 2013*

Badminton Club, *Treasurer*

*September 2010 – June 2011*

'Off The Stall', *Layout Editor*

*January 2011 – June 2011*

Change For Schenectady, *Treasurer, Founding Member*

*January 2010 – June 2011*

Campus Kitchens, *Volunteer*

*January – June 2010*