

# Dee A. Chapman

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## EXPERIENCE

- **Girls Who Code Facilitator - UIUC**

Jan 2017 - present: Collaborate with UIUC faculty, staff, and 10+ undergraduate and graduate students to plan and teach weekly coding classes to 35-50 middle school girls.

- **MacMillan Publishers**

2014 - 2017: Work with 5 editors and authors to design, develop and program online educational content.

- **Champaign Urbana Ballet**

2008 - present: Volunteer as a full stack web engineer for cuballet.com

- **Education Academy (Joy in Learning Co-Founder)**

2008 - present: Create, direct, and manage an academically focused K-12 co-op; teach and design curriculum for a variety of classes to 60+ students; collaborate with 30+ families and educators.

- **UIUC LAS Administration**

2005 - 2010: Design, develop, and maintain multiple PHP/MySQL websites

- **NCSA Education & Outreach Division**

1996 - 1997, 2001 - 2005: Develop virtual reality applications for education and research. Co-support the "Virtual Reality Program for Educators" year long program which impacted 20+ nation-wide educators.

- **NCSA Industrial Program, Senior Consultant**

1989 - 1996: Consult with Caterpillar employees in using the NCSA computers and resources. Develop, manage, demonstrate, and maintain Virtual Prototyping System project for Caterpillar, Inc.

## FAVORITE TECHNICAL PROJECTS

- **Audition Registration System:** A custom end-to-end system that collects, stores, processes, and generates automated reports on ballet audition registration data for 200+ applicants each season.
- **Automated Class Scheduler:** An automated scheduler that takes in course data from instructors and generates printable weekly assignment lists.
- **Introduction to Robotics:** A series of lessons utilizing Sphero's programmable robot technology to introduce computing concepts.

## GENERAL SKILLS

Computer programmer  
Administrator & Manager  
Educator (K-12)  
Lifelong Learner

## TECHNICAL SKILLS

**Languages:** Swift, Java, XML, PHP, MySQL, HTML, CSS, C

## REFERENCES

### Cynthia Coleman

Associate Director for External Relations  
UIUC Computer Science  
ccoleman@illinois.edu  
(217) 244-4496

### Lisa Bievenue

Assistant Director  
Illinois Informatics Institute  
bievenue@illinois.edu  
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### Naomi Young

Co-Founder of Joy in Learning  
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## EDUCATION

### University of Illinois, M.S.

**Electrical Engineering,**  
Thesis: A Competitive Neural Network Model of the Cockroach Escape Response

### University of Illinois, B.S.

**Electrical Engineering,**  
Specialization: Bioengineering