



AN ACM CELEBRATION EVENT

September 22 – 23, 2016

Hotel RL Salt Lake City



Thursday's Schedule – Registration begins at 2:30 PM

4:00 PM	Interviewing Workshop Tips for interviewing and interactive practice sessions. (Wasatch 1)	Resume Workshop Bring your resume or start one. We'll work together to take it to the next level (Wasatch 2)	Elevator Talks Workshop What they are and why you need one and how to start developing yours. (Cascade)
5:00 PM (Panels)	"What I Wish I Knew in High School" (Timpanogos)	"What I Wish I Knew in College" (Cascade)	Networking for Teachers, Faculty, Professionals and Grad Students (Majestic, Nebo, Ogden)
6:00- 7:15 PM Banquet and Keynote Speaker	Julie Lerman Because Street Cred - Gaining and Leveraging this Super Power (Wasatch)		
7:30 – 8:30 PM	College Fair and Dessert (Wasatch)	Poster Session and Scavenger Hunt (Lobby)	
8:30 – 10:30 PM	Games and More (Wasatch/Cascade)	VR Demos (Majestic, Nebo, Ogden)	

Friday's Schedule – Registration begins at 7:30 PM

8:00 AM	Mentoring Breakfast (Wasatch 1,2)		
9:00 AM (Panels)	Beyond Games: Careers in Computer Science (Wasatch 3)	Changing Tech Tides: Lifelong Learning (Cascade)	Career Management and Beyond: The Often Unspoken Keys to Success (Timpanogos)
9:00 AM (BOFs)	Promoting Professional Behavior and Reducing Bias (Nebo)	Virtual Reality (Majestic)	Applying for Patents (Ogden)
10:00 AM (Panels)	Women in the Defense Industry (Timpanogos)	Why Your Personal Brand Matters: How to Promote Yourself (Cascade)	
10:00 AM (BOFs)	Foster Your Own Success: Develop a Powerful Relationship with Your Advisor (Majestic)	Networking (Nebo)	Computer Science Outreach (Ogden)
10:50 AM	Break		
11:10 AM	Lightning Talks (Wasatch)		
12:00 AM Lunch & Keynote	Cydni Tetro Innovation, Creativity and Fearless Focus (Wasatch)		
1:10 PM	Photo (Outside)		
1:40 PM	Unconference: How to Deal with Inappropriate Responses and Behaviors in the Workplace (Wasatch 1)	Paper Session: Improving Coding Practices (Cascade)	Paper Session: Interaction Design (Timpanogos)
2:40 PM	Unconference : Work Life Balance (Wasatch 1)	Paper Session: Systems Research (Cascade)	Paper Session: Learning & Women in Computing (Timpanogos)
3:45 PM	Career Fair (Wasatch)		
4:45 PM	Closing - Awards, Recognitions and Prizes (Wasatch)		

Day 1 – Thursday

Workshops 4:00 PM

Wasatch 1

4:00 – 4:50 PM

Interviewing Workshop

Tips for interviewing and interactive practice sessions.

Learn about interviewing and the skills needed. We will also put these to work in interactive practice sessions.

Leader: *Thayne Martin (IT Recruiting Group)*

Assistants: *Chrystal Henke Ball (Pandora), Pat Pepper (Argonne National Laboratory), Jackson Pontsler (Hill AFB), Amanda Walter (Girl Develop It)*

Wasatch 2

4:00 – 4:50 PM

Resume Workshop

Bring your resume or start one. We'll work together to take it to the next level.

This is a hands on workshop where you can start or polish your resume. We will have an in-depth conversation about the basics; as well as the mixed messages you will receive from a variety of sources.

Leader: *Kerry Dew (Utah Geek Events)*

Assistants: *Janette Rounds (Montana State University), Anita Stokes (Pandora)*

Cascade

4:00 – 4:50 PM

Elevator Talks

What they are, why you need one, and how to start developing yours. Explore the importance of your "Elevator Talk". We will discuss how to prepare and give one.

Leader: *Lori Lalonde (Solola Solutions Inc.)*

Assistant: *Amber Dixon (RizePoint)*

Panel Discussions 5:00 PM

Cascade

5:00 – 5:50 PM

What I Wish I Knew in High School

Tips for interviewing and interactive practice sessions.

Come find out from recent college graduates what they wish they had known when they while they were in college.

Moderator: *Katrina Mehring (Southern Utah University)*

Panelists:

Mary Hallewell (Utah State University), Zoe Nacol (Colorado School

of Mines), Valeria Rodriguez (Microsoft), McKenzie Weller (University of

Colorado Boulder)

Timpanogos

5:00 – 5:50 PM

What I Wish I Knew in College

Come find out from recent college graduates what they wish they had known when they while they were in college.

Panelists:

Wendy Belcher (Colorado School of Mines), Jessica Burnett(LDS ICS), Chelynn

Day (Xactware), Sally Yoo (Hill Air Force Base)

Banquet Keynote – Julie Lerman 6:00 – 7:15 PM

Because Street Cred - Gaining and Leveraging this Super Power



Julie Lerman

Julie Lerman is a globally recognized expert in Microsoft technologies. She has been programming for nearly 30 years and has been an independent consultant since 1989. Her path to this career started at a young age with her first mentor, Rhoda Lerman, who happened to also be Julie's mother. Rhoda was an acclaimed writer and instilled a strong sense of living life to its fullest and setting Julie on a path to be whoever she wanted to be.

While pursuing a History major in college, Julie fell in love with Computer Science and this became her professional destiny. Her path to becoming an independent consultant and a renowned conference speaker, grew from the Street Cred she carefully groomed. This became one of Julie's most important superpowers; and, it can be yours too! Julie will share her thoughts on Street Cred, why you need it and how to leverage it. Wise use of your street cred can help you blow away career barriers, allowing you to be all that you can be.

College Fair 7:30PM

Wasatch

6:30 – 8:30 PM

College Fair:

Here are some of the schools that will be represented:

- Boise State University
- Brigham Young University
- Colorado School of Mines
- Dixie State University
- Idaho State University
- Salt Lake Community College
- Snow College
- Southern Utah University
- University of Denver
- University of Utah
- Utah State University
- Weber State University
- Westminster College

Poster Session, Desert 7:30PM

Lobby

7:30 – 8:30 PM

Poster Session

Poster Scavenger Hunt (prizes for first to finish successfully)

Concept Development for Syllabi-tracking Application (*Katrina Mehring*)

Developing an Embedded System for Microbialite Activity Measurements:
From Field to Lab to Museum (*Aspen Hopkins and Bonnie Baxter*)

Education Without Borders: Using 2G Connection to Facilitate 3G
Communication (*Mayank Mishra*)

Exploring Bayesian Reasoning with Interactive Visualizations (*Safia Hassan*)

Fully Virtual Multiplayer Survival Game (*Sabrina Kaufman and
Graham Marousek*)

Investigation on the Use of Perception Manipulation to Enhance Virtual
Reality Training (*Thao Phung and Amy Banic*)

Linux Drivers in FPGA Systems (*Brittany Wilson and Mike Wirthlin*)

Mobile App Development: Bridging the Gap Between College and Middle
School Programmers (*Mary Hallewell and Noelle Troester-Solbrig*)

Predicting Blood Glucose Levels Using Delay Coordinate Embedding
(*Alex Okeson and Sriram Sankaranarayanan*)

Sisters Rise Up 4 CS Project in Utah (*Yifei Zhu and Helen Hu*)

SmartHome Security (*Addy Moran and Kyle Haefner*)

Squishy Circuits Community Outreach at Woodruff Elementary in Logan, UT
(*Stephanie Gonzales*)

Tech Ambassadors: Booth Activities to Recruit Computer Science Majors
(*Jacqueline Varner and Cecily Heiner*)

Tele-Collaboration in Remote Immersive 3D Virtual Environments and
Visualizations (*Angela Benavides and Amy Banic*)

µClinux in PICS Project (*Christine Akagi and Valerie Fisher*)

Understanding Characteristics of Suspiciousness Scores of Faulty Program
Statements for Automatic Program Repair (*Huijun Wang and Sudipto
Ghosh*)

VR, Games, and More 8:30 – 10:30 PM

Ogden

8:30 – 10:30 PM

Virtual Reality (VR)

Sign up to demo HTC Vive

Majestic

8:30 – 10:30 PM

Virtual Reality (VR)

Sign up to demo HTC Vive

Nebo

8:30 – 10:30 PM

Virtual Reality (VR)

Sign up to demo Oculus Rift

Wasatch / Cascades

8:30 – 10:30 PM

Games and Networking

Team building games, social bingo, a photo-booth, an ir-resistor-able earring craft, robo challenges, and more will fill this time!

Day 2 - Friday

Mentoring Breakfast 8:00 AM

Wasatch 1, 2

8:00 – 8:50 AM

Look for a table with a topic of interest and join in the conversation

Panel Discussions 9:00 AM

Wasatch 3

9:00 – 9:50 AM

Beyond Games: Careers in Computer Science

Come hear from working professionals in a variety of fields tell how they use computing in (yes) animation and gaming, but medicine, business, architecture, teaching and more!

Moderator: *Lori Lalonde (Solola Solutions Inc.)*

Panelists:

Chrystal Henke Ball (Pandora), Heather Conlan-Katz (Goldman Sachs), Michelle Kolbe (Red Pill Analytics), Nicole Reitz-Larsen (West High School/Code.org)

Cascade

9:00 – 9:50 AM

The Changing Tech Tides: Lifelong Learning

Technology is always changing and Technology Careers embark you on the path to Lifelong Learning. Come hear how to develop a strategy to meet your unique needs and plan for success

Moderator: *Stacie Farmer (Girl Develop It)*

Panelists:

Tyra Crockett (Oracle), Thayne Martin (IT Recruiting Group), Susanne Sherba (University of Denver), Peter Shirley (NVIDIA), Amanda Waters (Girl Develop It)

Timpanogos
9:00 – 9:50 AM

Career Management and Beyond: The often unspoken Keys to Success

Careers require understanding the business side of negotiating your compensation, benefits, and position; but also some often unspoken strategies for career bumps, like being laid-off or fired. Come hear a discussion of these topics from professionals who have navigated these career waters.

Moderator: *Jamie Morningstar (Qualtrics)*

Panelists:

Casie Helms (HP), Paige Smith (Hire Utah), Anita Stokes (Pandora), Brenda J Yamagata (Yamagata and Associates, Inc)

Birds of a Feather 9:00 AM (an informal discussion on the topic)

Majestic
9:00 – 9:50 AM

Virtual Reality

Moderator: *Amy Banic (University of Wyoming)*

Nebo
9:00 – 9:50 AM

Promoting Professional Behavior (and Reducing Bias)

Moderator: *Kimberly Allan (HP)*

Ogden
9:00 – 9:50 AM

Applying for Patents

Moderator: *Mollybeth Kocalski (Rocky Mountain Regional United States Patent and Trademark Office)*

Panel Discussions 10:00 AM

Timpanogos

10:00 – 10:50 AM

Women in the Defense Industry

There are numerous opportunities for Computer Science professionals in the Defense Industry. Come hear a discussion from women who have chosen this career path and the benefits it has provided.

***Moderator:** Robin Chalmeta (LGS Innovations)*

***Panelists:** Sally Yoo (Hill AFB), Kristine Farley (Lockheed Martin), Melody Wheelwright (L3)*

Cascade

10:00 – 10:50 AM

Why Your Personal Brand Matters - How to Promote Yourself

In a world of social media and ever changing careers and career partners, your personal brand counts. Come visit with professionals who have developed their own strategies and how this helps you succeed.

***Moderator:** Amber Dixon (RizePoint)*

***Panelists:** Andrea Allred (Sorenson Communications), Lori Lalonde (Solola Solutions Inc.), Julie Lerman, Pat Pepper (Argonne National Laboratory)*

Birds of a Feather 10:00 AM

Majestic

10:00 – 10:50 AM

Foster Your Own Success: Develop a Powerful Relationship with Your Advisor

***Moderator:** Wendy Fisher (Colorado School of Mines)*

Nebo

10:00 – 10:50 AM

Networking

***Moderator:** Cecily Heiner (Southern Utah University)*

Ogden

10:00 – 10:50 AM

Computer Science Outreach

***Moderator:** Helen Hu (Westminster College)*

Break 10:50 AM

Flash Talks 11:10 AM

Wasatch

11:10 – 12:00 AM

ACM-W: Supporting, Celebrating, and Advocating for Women in Computing
Cecily Heiner (Southern Utah University)

Agile Development, Making Sense of Chaos
Sage Henderson (EMC / Dell)

Digital Inclusion - What can it mean?
Jacob Brace (Google Fiber)

How I developed a career in visualization and what is on offer in the SHELL
Viz Center
Emma Jane Alexander (University of Wyoming)

Learning Game Development in EAE
Tzu-Ying Diana Wang (University of Utah)

NCWIT: Supporting Change Leaders to Revolutionize the Face of
Technology *Helen Hu (Westminster College)*

Programming Exascale Computers
Mary Hall (University of Utah)

Searching for the Right Fit
Paige Smith (Hire Utah)

Women and Patents: The Uncharted Frontier
Mollybeth Kocalski (United States Patent and Trademark Office)

UWYO 3D Interaction and Agents Research Lab – Projects and Culture
Amy Banic (University of Wyoming)

Lunch Keynote – Cydni Tetro 12:00 – 1:10PM

Innovation, Creativity and Fearless Focus



Cydni Tetro

Cydni works with the world’s largest brands, retailers and technology companies to deliver innovative technology products, drive execution and build high performing teams. She has worked with hundreds of companies including Disney, Microsoft, Marvel, Star Wars, Facebook, MLB, MLS, Warner Brothers, Dreamworks, NFL, Disney Stores, Target, Walmart and Toys R Us. She was founder and CEO of 3DplusMe, a 3D printing software platform, that was recently acquired by WhiteClouds. She spent 4 years at Disney as an EIR building technology businesses from R&D projects and launching those products into Theme Parks, ESPN, ABC and Interactive. She is faculty for the Goldman Sachs 10k small business initiative where she teaches growth planning, leadership, sales and marketing. She is an Operating Partner at Mercato, a growth equity firm. She is founder and President of the Women Tech Council, a non-profit with more than 10,000 members in its community. Cydni holds a master’s degree in business administration and a bachelor’s in computer science from Brigham Young University.

Picture 1:10PM

Paper Sessions / Workshops 1:40 PM

Wasatch 1

1:40 – 2:30 PM

Unconference - How to Deal with Inappropriate Responses and Behaviors in the Workplace.

We all have these moments and they continue to pop up. This workshop will deal with minor responses that aren't so minor, like "oh, I thought you were just the assistant"; "thank you for sharing your emotional state" - after calling an employee to task for missing deadlines and failing to understand their project; We will also deal with some of the more obvious inappropriate behaviors as well.

Cascade

1:40 – 2:30 PM

Paper Session – Improving Coding Practices (Cecily Heiner)Secure Coding Supports in IDEs (*Aniqua Baset*)

Runtime Verification of Programs Running on Weakly Consistent Platforms
(*Maryam Dabaghchian, Burcu Kulahcioglu Ozkan, Erdal Mutlu and Serdar Tasiran*)

Effect of Code visibility on Coverage and Effectiveness of Automatic Testing Tools
(*Swapnil Sneham and Sudipto Ghosh*)

Timpanogos

1:40 – 2:30 PM

Paper Session – Interaction Design (Chair: Sally Yoo)

Exploring New Theoretical Approaches for Applied Visualization Design
(*Nina Mccurdy*)

Systematic Testing of Genetic Algorithms: A Metamorphic Testing based Approach
(*Janette Rounds and Upulee Kanewala*)

Research on Studying Bimanual Actions to Inform Interaction Techniques
(*Angela Benavides, Daniel Wilches and Amy Banic*)

Paper Sessions / Workshops 2:40 PM**Wasatch 1**

2:40 – 3:30 PM

Unconference: Work Life Balance.

Juggling work and life is one of those topics everyone discusses and for an excellent reason. It is hard! Everyone's situation is different and as life progresses your need for balance does not diminish. To top that off, we often forget that adjustments are needed - more frequently than many of us allow.

Timpanogos

2:40 – 3:30 PM

Paper Session – Learning and Women in Computing (Cecily Heiner)

Large Scale Kernel Density Estimates
(*Presenter: Yan Zheng*)

Promoting Engagement of Women Students in the CS Capstone Project
(Presenter: Rick Parker)

ArabWIC: An Enrichment Outreach Experience in the Arab World
(Presenter: Asmaa Aljuhani, Dr. Kaoutar El Maghraoui and Prof. Sana Odeh)

Cascade

2:40 – 3:30 PM

Paper Session – Systems Research (Sally Yoo)

New Stored Procedure Model for Large Scale In-memory Key Value Store
(Presenter: Tian Zhang and Ryan Stutsman)

A Study on EvoSuite as an Automatic Test Case Generation Approach to Kill First Order Mutants (Presenter: Hajar Homayouni and Sudipto Ghosh)

Proteus: A network service control platform for service evolution in a mobile software defined infrastructure (Presenter: Aisha Syed and Kobus Van der Merwe)

Career Fair 3:45 PM

Wasatch

3:45 – 4:45 PM

The following companies will be represented:

Adobe	HP, Inc	Lockheed Martin
Argonne Natl Labs	Hill Air Force Base	NCAR
ATLAS, UC Boulder	Hire Utah	NVIDIA
EMC Corporation	IT Recruiting	Overstock
Girl Develop It	L3 Communications	Pandora
Goldman Sachs	LGS Innovations	Pluralsight

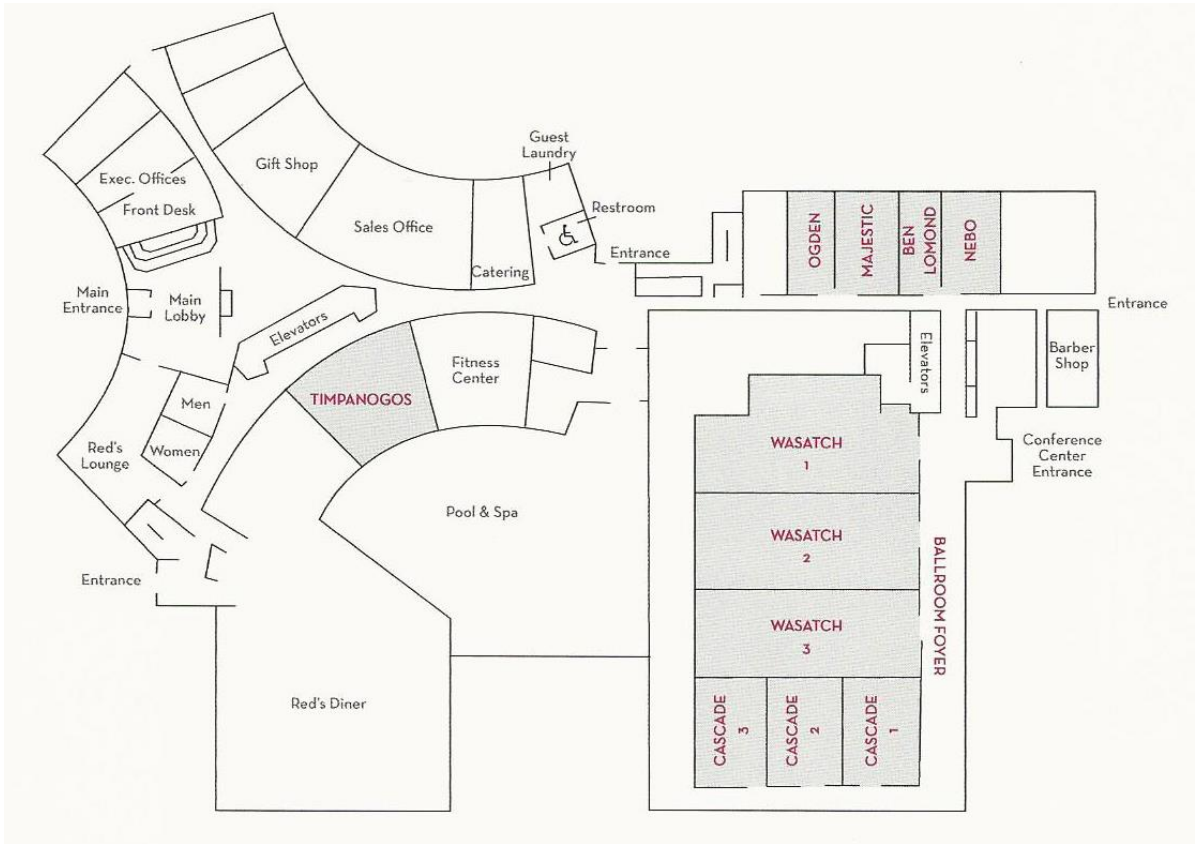
Closing 4:45 PM

Wasatch

Awards and presentations.

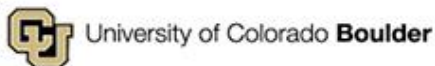
Invitation to the next RMCWIC in 2018.

Map



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