After Grace Hopper

In order to fulfill your GHC Research Scholar commitments, you must complete the following assignment after attending the 2017 Grace Hopper Celebration:

- Submit your passport reflections by **October 20th, 2017** by going to https://computingresearch.wufoo.com/forms/2017-ghc-research-scholars-reflection-form/

- Participate in at least two **CRA-W Virtual Undergraduate Town Halls** by May 2018.

  Find more information about upcoming Virtual Undergraduate Town Halls by going to:

  http://cra.org/cra-w/undergrad-town-hall-series/

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Summary of Required Activities

Any day the Expo is open:

- **Visit the CRA-W Booth**
- **Visit at least 3 universities with graduate programs**
- **Visit at least 1 national lab**
  (Only one reflection is required to for all expo activities)

Wednesday Oct. 4, 2017:

- **Keynote: Melinda Gates, Fei-Fei Li**
- **ACM Student Research Competition & Poster Session**
- **CRA-W Welcome Reception**

Thursday Oct. 5, 2017:

- **Keynote: Debbie Sterling**
- **ACM Student Research Competition - Semi Finalist Presentations (undergraduate)**

Friday Oct. 6, 2017:

- **CRA-W Breakfast**
- **CRA-W Tables at the Student Opportunity Lab**

National Labs:

- Lawrence Livermore National Laboratory
- Lincoln Laboratory
- Argonne National Laboratory
- Berkeley Lab
- Los Alamos National Laboratory
- NIST
- Oak Ridge National Laboratory
- Pacific Northwest National Laboratory

Universities visited:

_____
_____
_____

PASSPORT OF ACTIVITIES

Name: _____

Email:_____

Grace Hopper 2017 Research Scholars

As a CRA-W GHC Research Scholar, you've indicated that you are interested in research. The set of activities below are intended to point you to several of the research-oriented presentations and resources at GHC, so that you can make the most of your time.

We'd like you to reflect on the events and talks you attend. For each one, either:

- Write a brief reflection (1-2 paragraph; selfies/photos are always welcome in addition to text)

- Create a brief video reflection (several sentences)

You must submit a written or video reflection for each required activity in order to receive your travel reimbursement.

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Wednesday Oct 4, 2017

Required Activities:

Keynote: Melinda Gates, Fei-Fei Li
9:00-10:30, OCCC WA2
(Reflection required)

ACM Student Research Competition & GHC General Poster Session
1:30-4:30, Expo Hall
Spend at least an hour and visit at least 5 posters. Review the CRA-W CREU and DREU posters listed on the Thursday, Oct 5 2017 page
(Reflection required)

CRA-W Welcome Reception
6:00-8:00, The Rosen Centre Hotel, Grand B
Arrive on time; Meet your mentor and at least 1 other senior researcher and 2 other students.
(Reflection required)

Recommended Activities:

11:30-12:30, Hyatt Regency Ballroom Q | CRA-W Graduate School Survival Skills

*11:30-12:30, OCCC W304C | AI for Social Good

11:30-12:30, OCCC W312C | Chip Design, Hardware, and Data Processing

11:30-12:30, OCCC W315B | Data Science Research

*11:30-12:30, OCCC W307C | Expressive Electronics for Computer Scientists: An Introduction to Paper Circuits

*11:30-12:30, OCCC W414A | IoT for Social Good: the Good, the Bad, the Ugly

1:30-2:30, OCCC W304C | Presentations: Core AI

1:30-2:30, Hyatt Regency Ballroom Q | Building Your Academic Professional Network

1:30-2:30, OCCC W320 Chapin Theater | Featured Speaker: Chieko Asakawa

1:30-2:30, OCCC W308C | Presentations: Interactive Media Research

3:00-4:00, Hyatt Regency Ballroom Q | CRA-W: Finding Your Dream Job with a Ph.D.

4:30-5:30, Hyatt Regency Ballroom Q | CRA-W: Making the Most of Your Summer Internships

These sessions are repeated at other times during the conference

Thursday Oct 5, 2017

Required Activities:

Keynote: Debbie Sterling
9:00-10:00, OCCC WA2
(Reflection required)

ACM Student Research Competition - Semi Finalist Presentations (undergraduate)
1:30-2:30, OCCC W22B
(Reflection required)

CREU and DREU Posters:

Teaching Machines to Understand Us: Noun Event Extraction by Automatically Identifying and Assessing New Linguistic Patterns - Ida Behreini, Drew University

Locally Linear Embedding of Chromatic Clusterings in Temporal and Spatial Domains- Linda Beverly, California State University, Hayward

Designing for a Generation: Accessible Navigation Tools for Older Adults - Taylor Day, Texas A&M University

Finger Motion Synthesis In Virtual Humans Using Machine Learning - Isabela Figueira, Santa Clara University

Consensus scoring to improve protein-ligand docking with DINC web server - Sarah Hall-Swan, Tufts University

Computational Thinking Through Storytelling - Deja Jackson, Kennesaw State University

The Impact of Telestration on Operating Room Communication Patterns, Katie Li, Pomona College

Effects of Presence from a Realistic Virtual AI on Perception and Depth of a Hallway in Virtual Reality, Karla Paraiso, Arizona State University

Predicting User's Intentions With Visualization Systems, Surina Puri, Georgia Tech

Augmenting Stack Overflow with API Usage Patterns Mined from GitHub, Anastasia Reinhardt

Computational Block Programming, Cindi Simmons, Kennesaw State Univeristy

Examining the Physician-Patient Relationship Through Online Reviews, Lindsay Zadunayski, Rensselaer Polytechnic Institute

Student Interaction and Graphical Development, Kate Zelaya, Kennesaw State University

Using Smart Home Technologies to Aid The Cognitively ImpairedSmart Home Technology: An Aid for the Cognitively Impaired, Joan Zheng, University of Minnesota

Recommended Activities:

11:30-12:30, OCCC W315B | Presentations: Software Engineering Future and Trends

3:00-4:00, OCCC W222B | ACM Student Research Competition - Semi Finalist Presentations (graduate)

3:00-4:00, OCCC W414A| IoT for Social Good

Friday Oct 6, 2017

Required Activities:

CRA-W Breakfast
8:00-9:00, The Rosen Centre Hotel, Salon 4
Re-connect with your mentor and meet new people
(Reflection required)

Student Opportunity Lab - CRA-W Tables
9:00-12:00, OCCC WF2
Plan to attend for at least 1 hour
(Reflection required)

CRA-W Student Opportunity Lab Tables:

Research Careers — What Are the Options? How Do I Get There? Mentors: Sunita Chandrasekran, Robin Graham, Rita H. Wouhaybi

How to Be Successful Post-Bachelor's? Mentors: Elizabeth Bautista, A.J. Brush, and Jini Ramprakash, Shana Watters

Is Graduate School For You? Mentors: Padma Raghavan, Shana Watters, Dee A. B. Weikle,

Master's or Ph.D.? Mentors: Bushra Anjum, Helen Hu, Glida Garreton, Jessica Gullbrand, Cynthia Lee, Patty Lopez, Juliette Ugirumurera

How to Successfully Apply to Graduate School? Mentors: Nancy Amato, Monica Anderson, Dilma Da Silva, Andrea Danyluk, Laura Dillon, Maria Gini, Ayanna Howard, Suzanne Matthews, Susan Rodger, Sara Owsley Sood

What is Computing Research? How Can Undergraduates Participate? Mentors: Jeannie Albrecht, Amy Csizmar Dalal, Julia Hirschberg, Amy Hughes, Yerika Jimenez, Yuqing Melanie Wu

Recommended Activities:

9:00-10:00, OCCC W300 | ABIE Winner: Dr. Gunduz: Adaptive Neurotechnologies for the Improved Treatment of Neurological Disorders

9:00-10:00, OCCC W414A| Intelligent Objects and Augmented Reality in IoT World

9:00-10:00, OCCC W414A| Intelligent Objects and Augmented Reality in IoT World

10:30-11:30, OCCC W304C | Emerging Applications of AI

10:30-11:30, OCCC W315B| Cybersecurity and Fraud Detection

10:30-11:30, OCCC W320 Chapin Theater | Featured ACM Speaker: Jennifer Rexford

3:00-4:00, OCCC WA2| Keynote: Deborah Berebichez, Maureen Fan, Ayanna Howard