wecode

(**w**omen **e**ngineers **code**)

WELCOME LETTER

On behalf of the Women Engineers Code (WECode) Board and Harvard Women in Computer Science, thank you for joining us this weekend at the second annual WECode conference at Harvard University.

Over the next two days, we hope that you will be inspired by our keynote speakers, benefit from the wisdom and expertise of our panelists, expand your technical skills through workshops, refine your resumes and prepare for upcoming interviews via our recruitment boot camp, and most importantly, foster a network of like-minded collegiate engineers passionate about the field of computer science.

Never before has more attention and effort been paid to the issue of female representation in the technical industry. Although 57 percent of Bachelor's degrees are earned by women, only 12 percent are computer science degrees. In addition, according to the National Center for Women and Information Technology, women only made up 25 percent of the computing workforce in 2013.

Add in payment inequality between men and women, "imposter syndrome", "bro culture," and unsupportive policies regarding maternity leave and childcare, and it is unsurprising that women can face cultural and social challenges when entering the technical workforce.

But we are at a tipping point. With more industry leaders investing in hiring women and minorities, we are getting the attention and support that we deserve. We hope that WECode empowers you to chase after your dreams, whatever they may be, as well as make lifelong friends along the way.

Thank you to the wonderful board of Harvard students and affiliates who have made this conference possible. We salute you.

Best regards,

Ana-Maria Constantin, Amna Hashmi, and Emi Nietfield
WECode Co-Chairs

SCHEDULE

FRIDAY, FEB 6TH

CRIMSON KEY TOUR 5:00-6:00

Come tour Harvard University and learn about our key historical points, anecdotes, and personal experiences on campus! Meet at John Harvard Statue in Old Yard.

FRIDAY NIGHT IN 8:00-10:00

Join us for a relaxed, informal, girls' night in format event. Early registration available. *(Boylston Hall, Ticknor Lounge)*

SATURDAY, FEB 7TH

REGISTRATION 9:00

Check-in table opens at 9 a.m. with breakfast. Please show your Eventbrite confirmation.
(Maxwell Dworkin Lower Lobby)

KEYNOTE: DONA SARKAR 10:00

Keynote speech by Dona Sarkar, Principal Program Manager Lead, Microsoft. *(Northwest Labs Basement)*

LEAN IN CIRCLES LAUNCH 11:00

Join Facebook, Linked In, and Lean In for an exciting announcement. *(Northwest Labs Basement)*

Speakers: Erica Lockheimer, Director Engineering, LinkedIn; Kiva Wilson, Diversity Programs Manager for Facebook

KEYNOTE: MARIE LOUISE KIRK 12:00

Keynote speech by Marie Louise Kirk, Partner, Securities Division, Goldman Sachs *(NW Labs Basement)*

MENTORSHIP LUNCH 1:00-2:30

Connect with Industry Leaders over lunch and a discussion. *(Rooms TBA)*

*PANELS 2:30-6:00

Five, one-hour long panel conversations led by Harvard-affiliated professionals on one of the following topics: Data Science, Privacy and Security, Social Impact Tech, Computer Science in Other Areas, Academia and Graduate School in Computer Science. *(NW B101 & Basement)*

*WORKSHOPS 2:30-6:00

Two-hour long training sessions led by our corporate sponsors and distinguished faculty. *(Refer to rooms in program)*

*LIGHTNING TALKS 2:30-6:00

15-minute long TED Style inspirational talks designed to get you up to speed with the latest trends in the Tech Industry.
(NW B103 & Maxwell Dworkin G115)

MIXER 7:00-9:00

Join us at the Queen's Head Pub to celebrate WECode and Tech over Facebook-themed snacks and drinks.

SUNDAY, FEB 8TH

REGISTRATION 9:00

Check-in table opens at 9 a.m. with breakfast. Please show your Eventbrite confirmation.
(Maxwell Dworkin Lower Lobby)

KEYNOTE: PARISA TABRIZ
10:00

Keynote speech by Parisa Tabriz, Security Princess, Google *(Northwest Labs Basement)*

PUZZLE DAY　　11:00-1:00

Get to know each other better while solving challenging puzzles and having fun. Put on your thinking caps and engage in two hours of problem-sovling and games! *(Science Center, Maxwell Dworkin, & Northwest Labs)*

LUNCH　　1:00-2:00

Take a break from the conference and enjoy fresh and delicious food delivered from Harvard Square restaurants *(NW Basement)*

*SALARY NEGOTIATIONS TECHNIQUES　　2:00

Join Katherine Ballman and Leslie Griffiths from IBM to learn the most efficient strategies for landing the salary that you are aiming for! *(NW B101)*

*RECRUITING, THE DO'S & DON'TS OF A RESUME　　2:00

Join recruiters from Goldman Sachs, Google and Facebook to hear what they're looking for in a candidate during the interview process! Conversation led by the Harvard Office of Career Services *(NW B103)*

*INNOVATION FIRESIDE CHAT
3:00

Join Harvard Chief Digital Officer Perry Hewitt in a conversation about entrepreneurship. Learn what it takes to be successful in the start-up industry from notable women innovators *(NW B103)*

*LIFE IN TECH PANEL　　3:00

Hear from our distinguished alumni and learn from their post-graduation experiences. Conversation led by Anne Madoff, co-founder, Harvard Women in Computer Science. *(NW B101)*

*ENTREPRENEURSHIP 101　　4:00

Get hands-on training from EdTech Entrepreneur Diane Williams, MIT/ Harvard GSE (NW B101)

*INFO SESSIONS ON INTERVIEWS　　4:00

Come hear about how to interview for roles in software engineering, program management, and startups (NW B103)

PRACTICE INTERVIEWS　　5:00

Walk through practice interview questions in breakout groups *(NW B101 & NW B103)*

* Indicates events that occur simultaneously

KEYNOTE SPEAKERS

NORA DENZEL
MICROSOFT

Dona Sarkar is the luckiest girl on the planet. She has not one, not two, but THREE jobs she absolutely loves. She is a Seattle-based engineering manager at Microsoft, an author and a fashion designer. She joined Microsoft in 2005 and currently leads a team of engineers to measure and maximize customer delight for the next evolution of Windows Desktop and tablet offerings, as well as Windows Phone. She has more than 12 years of experience in the tech industry and has been involved in building products and customer experiences that are used by more than a billion people, starting from Oracle databases to multiple versions of Windows, OneDrive and Windows Phone. She is currently enrolled in a Digital Marketing MBA program at Rutgers so she can better understand how the company can reach more customers. Dona is a passionate advocate of hiring and retaining diverse talent into the tech industry. She spends several months every year leading technical roadshows and conducting interviews in the U.S., Mexico, Australia and Argentina. She has been a frequent keynote speaker at tech conferences such as Grace Hopper, WISE and Tapia as well as being the Grace Hopper Industry track chair for Microsoft. She lives in Seattle, Washington with her awesome fiance and a very bossy grey tabby named Ash.
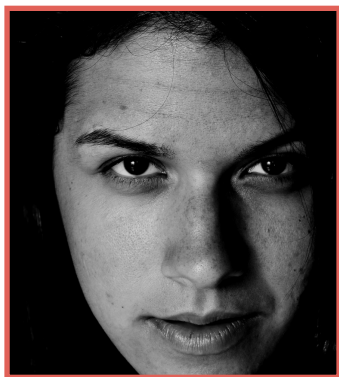
MARIE-LOUISE KIRK
GOLDMAN SACHS

Marie Louise is head of FICC Sales Strats for the Americas, responsible for client strategies and solutions. She serves on the Securities Division Client and Business Standards Committee. Previously, Marie Louise was on the European Pensions and Insurance Strats team in London with a primary focus on asset liability management. She started her career at Goldman Sachs as a derivatives trader and led Swiss and Scandinavian Interest Rate Trading for several years. Marie Louise joined Goldman Sachs in 2003 and was named managing director in 2009 and partner in 2012. Marie Louise is a trustee on the board of the Crown Prince Frederik of Denmark Fund for Harvard University. Marie Louise earned a bachelor's degree in mathematical economics from Copenhagen University in 2001 and a master's degree from Harvard University in 2003.

PARISA TABRIZ
SECURITY PRINCESS, GOOGLE

Parisa has worked on information security for nearly a decade and as a (self-appointed) "Security Princess" of Google for the last 7+ years. She started as a "hired hacker" software engineer for Google's security team. As an engineer, she found and closed security holes in Google's products, and taught other engineers how to do the same. Today, Parisa manages Google's Chrome security engineering team, whose goal is to make Chrome the safest way to browse the web, and generally improve security on the Internet. She has the somewhat unique distinction of being featured by WIRED and ELLE in the same year and enjoys luring more people into infosec, making things, and climbing rocks.

PANELS

DATA SCIENCE   2:00-3:00 | NW B101

Deepthi Shashidhar, *Citadel*
Irene Chen, *Dropbox*
Stratos Idreos, *Professor*
Sumitra Ganesh, *Goldman Sachs*
Mariyam Mirza, *Akamai*
*Moderator: Finale Doshi-Velez, Professor of CS, AI's Top
10 to Watch*

Academia and Grad School   3:00-4:00 | NW B101

Jean Yang, *MIT PhD*
Radhika Nagpal, *Harvard*
Susan LoVerso, *CS part-time*
Linda Lee, *Economics & technical jobs*
Pao Siangliulue, *Current grad student*
Moderator: Margo Seltzer, Professor of CS

Privacy and Security   3:30-4:30 | NW Basement

Marlena Erdos, *HUIT*
Stephen Chong, *Professor*
Greg Morrisett, *Professor*
Merce Crosas, *Director of Data Science at Institute
for Quantitative Social Sciences*
Moderator: Jim Waldo, CTO of Harvard

SOCIAL IMPACT TECH   4:00-5:00 | NW B101

Satwik Seshasai, *Segovia*
Jenny Schweers, *Dimagi*
Jodi Scarbrough, *Vecna*
Molly Dishman, *ThoughtWorks*
Moderator: Dipti Jasrasaria & Emily Field from EWB

CS in Other Areas   5:00-6:00 | NW B101

Gabrielle Ehrlich, *Jane Street*
Mackenzie Kosut, *Oscar Health*
Sinead Strain, *Goldman Sachs*
Alan Aspuru-Guzik, *Professor of Renewable Research*
Hannah Lau, *Square*
Moderator: Stuart Shieber, Professor of CS

LIGHTNING TALKS

Northwest Labs B103

2:00–3:00

S. Somasegar, *Microsoft*	*Microsoft Language*
Amy Wasik, *Two Sigma*	*Designing Reliable Systems*
Sahar Shahamatdar, *D.E. Shaw Research*	*New Computational Approaches to Structure-Based Drug Discovery*

3:00–4:00

Mick Mountz, *Kiva Systems*	*Impact Kiva Systems is making on delivery*
Angela Li, *Dropbox*	*"Moving Faster and Smarter: Lessons from Growth Engineering"*
Ellora Israni, *Facebook*	*Going from idea to product*

4:00–5:00

Vandana Mohan, *Facebook*	*Using data to build better products, faster*
Julia Kodysh, *Oscar Health*	*"Doctoring up bad data using Apache Mesos"*
Emi Wang, *Uber*	*Moving the needle on efficiency*

5:00–6:00

Lauren States, *VP of IBM Software Group & Advanced Leadership Fellow at Harvard*	*My Career in the Tech Industry & Why Tech Skills Matter*
Emma Alexander, *PhD Research*	*Artificial Intelligence*
Shimul Schdeva, *Uber*	*Uber.start()*

Maxwell Dworkin G115

C.A. Webb	*Networking*
Tim Morgan, *Square*	*"How to Perform a Technical Interview"*
Sammi Krug, *Facebook*	*Facebook Newsfeed*
Chelsea Komlo, *ThoughtWorks*	*The case for humanitarian, free and open source software*
Amy Yin, *Facebook*	*Internet.org*
Joy Ming, *Developers for Development*	*Social Impact Tech*
Chunyan Song, *Uber*	*Startups*
Elinas Haddad, *Uber*	*Filling in the gaps*

WORKSHOPS

Workshop	Company	Description
OCaml 101 *(NWL B104)*	*Jane Street*	Explore typesafe and functional programming with OCaml. Learn the basics of the language, how it can improve your coding, and how it's used in industry by Jane Street, a proprietary trading firm in New York.
Visual Studio *(NWL B106)*	*Microsoft*	We are excited to represent Microsoft at WeCode and get the opportunity show off the latest features and capabilities of Visual Studio during this session.
Utilizing Open Source Tools for Social Impact *(NWL B108)*	*ThoughtWorks*	Are you interested in contributing to open source (all the cool kids do!) but don't know where to start? This workshop will get you familiarized with the common open source tools/concepts including git, IRC, issue tracker, licensing, etc. And if you are up for it - we'll help you make your first pull request! We will also introduce a few open source social impact projects that you can work on afterwards.
Android 0 to 60 *(NWL B106)*	*Google*	Class, take out your phones... In Android 0 to 60, you will be building an Android SMS app from start to finish. Take a dip into the development environment, app logic, and UI customization and Material Design — leaving with a ready to install app. Recommended: some experience with Java or object-oriented programming, a phone running Android 5.0 (Lollipop)
Get started with webapps using Flask & Uber API *(NWL B107)*	*Uber*	
User needs *(NWL B105)*	*Palantir*	

Workshop	Company	Description
Intro to Android Development *(NWL B104)*	*Strava*	Android development is one of the hottest areas in tech right now, and there is tremendous demand for software engineers. Join Strava for a 2-hour tour of state-of-the-art tools and techniques for writing Android apps. Before the workshop, please install: - Java 7 JDK (http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html) - Android Studio with SDK (http://developer.android.com/sdk/index.html) - Bring your Android phone, or create an emulator (also known as an Android Virtual Device or AVD). http://developer.android.com/tools/devices/managing-avds.html#createavd"
API called Beaker *(NWL B108)*	*Two Sigma*	Beaker is an integrated environment that allows you to iteratively explore datasets, by using a number of tools, programming languages, and data analysis languages, all of which are seamlessly integrated and exchange information. Beaker grew out of the inquisitive passion that we have for data at Two Sigma. Join us for an exciting workshop designed to get you up and running on Beaker, so you can dive into some of your own favorite datasets!
Build your own Pokédex *(NWL B105)*	*Dropbox*	Be the very best, like no one ever was! In this workshop, we'll walk you through: building a basic application in Flask (a lightweight Python web framework), querying the Pokémon API and receiving requests from the Twilio API, and deploying everything to Heroku. All Python levels (beginner to Guido van Rossum) welcome! Led by Dropboxers Angela Li (Harvard '14, Growth team) and Irene Chen (Harvard '14, Data Science). *We recommend bringing a laptop and installing Python 2.7 before the workshop.
MSFT App Development *(NWL B106)*	*Microsoft*	In this workshop you will learn how to develop Windows Phone 8.1 and Windows 8.1 apps based on well-known web service API's such as Twitter, Meetup, ESPN, Instagram, Bing, and EchoNest. This workshop is hands-on, so to get the most out of the event you will need to being your own laptop, Windows or Mac
Bring back the old Facebook *(NWL B107)*	*Facebook*	Miss the old Facebook? Let's build it ourselves! In this session, we'll build an iOS app for a social network gated only to members of your particular school. Participants will learn how to create an iOS app, hook it up with a Parse back-end, and then take advantage of such Parse functionality as Facebook account sign-in and geofencing. Please come to the workshop with Xcode installed. Mac OS required.

MEET THE *we*code BOARD

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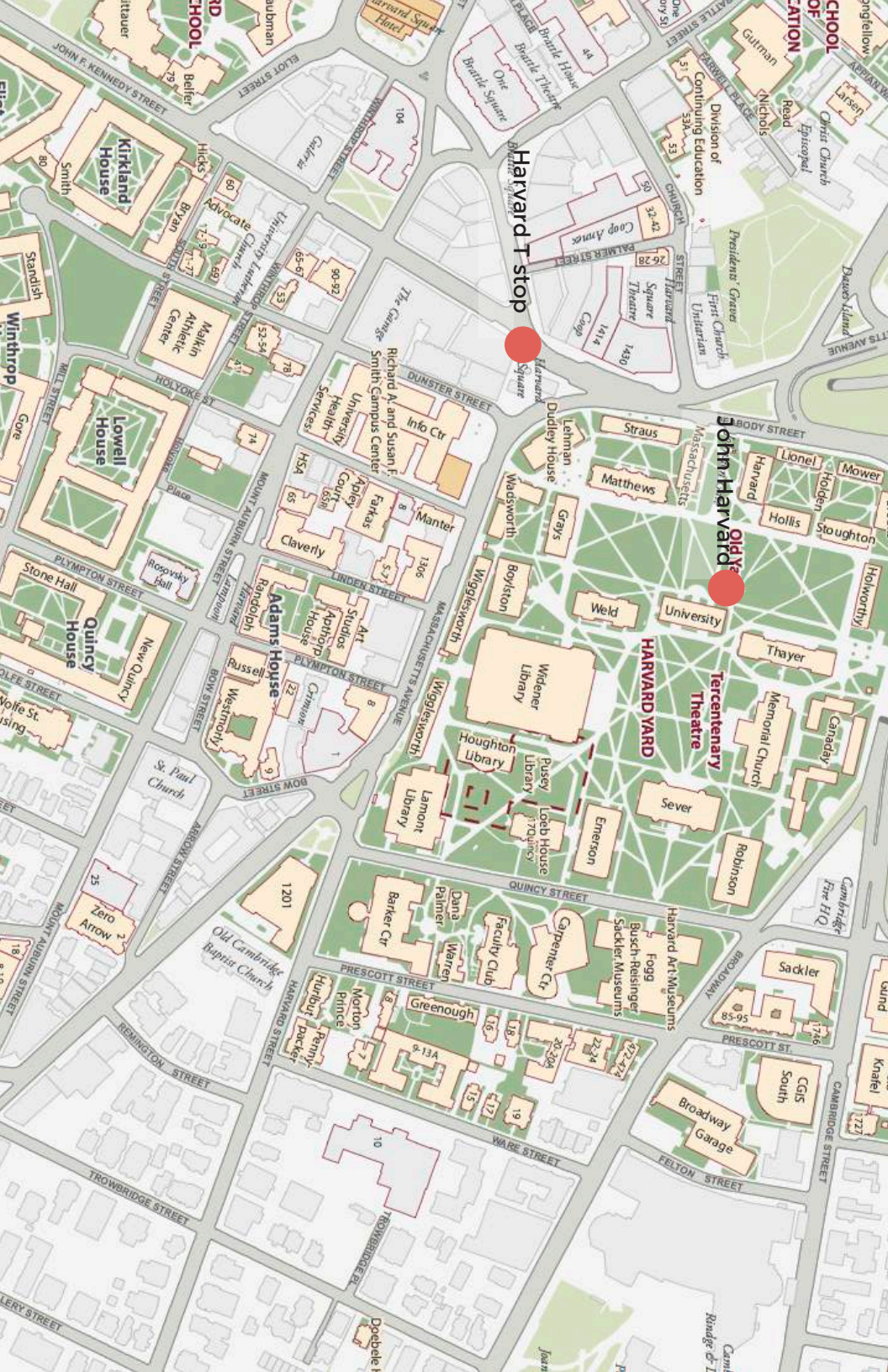
KIVA Systems oscar

silver

Square Google Microsoft

UBER Jane Street akuna capital Akamai

Harvard T stop

John Harvard

Old Ya

HARVARD YARD

Straus
Matthews
Grays
Lionel
Holden
Hollis
Mower
Stoughton
Harvard
Weld
University
Thayer
Holworthy
Canaday
Tercentenary Theatre
Memorial Church
Sever
Robinson
Emerson

Widener Library
Houghton Library
Pusey Library
Loeb House
170 Quincy
Lamont Library

QUINCY STREET

Dana Palmer
Warren
Faculty Club
Carpenter Ctr
Fogg
Busch-Reisinger
Sackler Museums
Harvard Art Museums
Sackler
85-95
176

Barker Ctr
1201

PRESCOTT STREET
Greenough
Hurlbut
Morton
Prince
Penny Packer
9-13A
16
18
20-20A
22-24
47-474
CGIS South
Broadway Garage

WARE STREET

PRESCOTT ST.

CGIS

Cambridge Fire HQ

BROADWAY

FELTON STREET

CAMBRIDGE STREET

Kirkland House
Smith
Belfer
Standish
Winthrop
Gore
Lowell House
Stone Hall
Quincy House
New Quincy
Adams House
Randolph
Arthrop House
Russell
Westmorly
St. Paul Church
Zero Arrow
Old Cambridge Baptist Church

JOHN F. KENNEDY STREET
ELIOT STREET
MOUNT AUBURN STREET
SOUTH STREET
WINTHROP STREET
PLYMPTON STREET
HOLYOKE ST
DUNSTER STREET
BOW STREET
MASSACHUSETTS AVENUE
LINDEN STREET
CRIMSON

The Grange
Info Ctr
Richard A. and Susan F. Smith Campus Center
University Health Services
Apley Court
Farkas
Manter
Claverly
Art Studios
1306
Wigglesworth
Boylston
Wadsworth
Lehman
Dudley House
Matthews

Advocate
Harvard-Epworth United Methodist Church
104
44
One Brattle Square
Brattle Theatre
Brattle House
Harvard Square Hotel
BRATTLE STREET
FARWELL PLACE
CHURCH STREET
PALMER STREET
Harvard Square
Coop
Coop Annex
32-42
26-28
50
53
53A
Division of Continuing Education
Read
Nichols
Gutman
Larsen
Christ Church Episcopal
First Church Unitarian
Presidents' Graves
Dawes Island
MASSACHUSETTS AVENUE
BRATTLE STREET
1414
1430
Harvard Square Theatre
Longfellow
SCHOOL OF EDUCATION
APPIAN WAY

Rosovsky Hall
HSA

MOUNT AUBURN STREET
PLYMPTON STREET
BOW STREET
ARROW STREET
REMINGTON STREET
TROWBRIDGE STREET
WARE STREET
Prescott Street
TROWBRIDGE PL
DEWOLFE STREET
MILL STREET
MEMORIAL DRIVE

10

HARVARD LAW SCHOOL

HARVARD SCHOOL OF ENGINEERING AND APPLIED SCIENCES

GR. SCHOOL OF DESIGN

HARVARD DIVINITY SCHOOL

Cambridge Common

Radcliffe Institute

Brattle

Garden Street

Waterhouse Street

Massachusetts Avenue

Cambridge Street

Phillips Brooks

The Plaza

Science Center

Littauer Center

Gannett

Austin

Hemenway Gym

Griswold

Hastings

Areeda

Langdell

Lewis

Pound

Caspersen Student Center

Clinical Wing

Wasserstein Hall

1607–1615

Story

Shaw

Holmes

Ames

Dane

Hauser Hall

Child

Richards

Perkins

Maxwell Dworkin

Everett Street

Terry Terrace

23

27

Baker Hall

1637

Rutland

Massachusetts

Mellen Street

Leigh University Dolbe Campus

Jefferson

Paine

Music Building

Lyman

Pierce

Cruft

LISE

McKay

Oxford St

Conant

Engineering Science Lab

60 Oxford

Northwest Building

38 Oxford

MCZ Lab

Hammond Street

Palfrey

52 Oxford Street Garage

Oxford

Memorial Hall

Annenberg Hall

Sanders Theatre

Loker Commons

Lowell

Sparks

Mallinckrodt

Conant Lab

Converse

Link

Naito Lab

Bauer Lab

Fairchild Biochem

Busch

Hoffman Lab

Museum of Natural History

Peabody Museum

Harvard Museum of Comparative Zoology

University Herbaria

Divinity Hall

Farlow

BRI

Green House

OEB

Quincy Street

Divinity Avenue

Church of New Jerusalem

CGIS

3

7

34

11

17

38

Kirkland Place

Kirkland Street

William James

Harvard Yenching Library

Semitic Museum

Biological Labs

Varsity

Shannon

Bike Shelter

Andover-Harvard Theological Library

Andover Hall

Rockefeller

Jewett

Study of World Religions

56

5

Bryant Street

Francis Avenue

Sumner Road

18

20

40

42

Kirkland Court

Lippmann

Kirkland Rd

Irving Street

Ashton Pl.

Irving Terrace

9

The WECode 2015 Board is proud to host student attendees from colleges and universities nationwide. We thank you for your participation and wish everyone a wonderful time while at Harvard!

Amherst College
Barnard College,
Columbia University
Belmont University
Brandeis University
Brown University
Carnegie Mellon University
Colby College
Columbia University
Dartmouth College
Drexel College
Duke University
Georgia Institute of Technology
Harvard
Harvey Mudd College
Ithaca College
MIT
Mount Holyoke College
NYU
Northeastern University
Olin College
Princeton
RIT
Rutgers University
Simmons College
Skidmore College
Smith College
Stanford
Swarthmore
Tufts
University of Maryland
University of Central Florida
University of Cincinnati
University of Georgia
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