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# Jocelyn Kishi

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## Education

Harvard University 8/2014 - Present

- Graduate student in the Systems Biology Ph.D. Program.
- Currently conducting research in DNA probing technology.
- Adviser: Peng Yin.

California Institute of Technology (Caltech) 9/2010 - 6/2014

- Study abroad in the School of Informatics at the University of Edinburgh, Fall 2012.
- Degree: Bachelor of Science with honor, Computer Science option.
- Cumulative GPA: 4.0.

## Experience

Nine years of Computer Science experience.

Google Software Engineering (SWE) Intern Google, 6/2013 - 9/2013

- Server- and client-side elements of a new application to be incorporated into team's larger product, Places for Business. Used Javascript and Google Closure for fronted work and primarily Java for server-side work. Work heavily utilized the Guice dependency injection framework and interacted with several backends for data retrieval. Extensive test coverage and code reviews for all new features. Collaborated with product managers and UX designers.

Google Engineering Practicum Intern Google, 6/2012 - 9/2012

- Frontend for the next generation of business solutions by Google. Used Javascript and Google Closure to create and style UI elements, implemented client-side behaviors of these elements, wrote server-side Java code to connect to backend, and included unit tests for all new features of production code. Worked closely with UX designers and product managers.

SIP Technical Undergrad Summer Student Intern Sandia Labs, 6/2011 - 9/2011

- Several cyber-security related projects in the Center for Cyber Defenders (CCD) at Sandia National Laboratories in Albuquerque, NM.

Computer Science Intern at the University of Arizona Univ. of Arizona, 8/2009 - 9/2010

- Unpaid student intern for the interdepartmental Stealth Health project. Approx 283 hours.

## Major Projects:

Research in Conditional Regulation of Bacteria, Niles Pierce Lab	<i>Caltech, 1/2014 - 6/2014</i>
Implementing Data Structures in DNA Polymers	<i>BE/CS/CNS/Bi191b, 4/2013 - 6/2013</i>
Graph Analysis of Chemical Reaction Networks	<i>CS145 Group Project, 4/2013 - 6/2013</i>
Google Glass Hackathon, Winning Team	<i>Google, 8/2013</i>
Woomple Distributed Event Response Platform	<i>CS141 Group Project, 4/2012 - 6/2012</i>
Team Android App Creation	<i>Google Android Camp, 6/2011</i>

## Honors and Awards

National Science Foundation Graduate Research Fellowship	<i>NSF, 2014-Present</i>
Lucy Guernsey Service Award	<i>Caltech Y, 2014</i>
Thomas J. Watson Memorial Scholarship	<i>IBM, 2010-2014</i>
Intel Women in Science Scholarship	<i>Caltech, 2011-12</i>
Honeywell International Inc. Scholarship	<i>SWE, 2010-11</i>

## Teaching

Writing Teaching Assistant, Principles of Biology (Bi001)	<i>4/2014 - 6/2014</i>
Teaching Assistant, Biomolecular Computation (BE/CS/CNS/Bi191a)	<i>1/2014 - 3/2014</i>
Teaching Assistant, Introduction to Computer Programming (CS1)	<i>9/2013 - 12/2013</i>
Teaching Assistant, Computer Language Shop (CS11)	<i>4/2013 - 6/2013</i>
Teaching Assistant, Principles of Biology (Bi001)	<i>4/2012 - 6/2012</i>
Teaching Assistant, Introduction to Computer Programming (CS1)	<i>9/2011 - 12/2011</i>
Teaching Assistant, Cooking Basics (PA016abc)	<i>9/2011 - 6/2012</i>

## Leadership and Community Service

UCC (Upperclass Counselor) for Blacker House	<i>5/2013 - 6/2014</i>
Emergency Medical Responder (Health Advocate)	<i>9/2011 - 6/2014</i>
Caltech Y Executive Committee Member	<i>6/2012 - 6/2014</i>
Hathaway-Sycamores Tutoring (Program Leader)	<i>1/2012 - 6/2014</i>
Washington D.C. Science Policy Trip (Trip Leader)	<i>12/2013</i>
Engineers for a Sustainable World (ESW) Club Secretary	<i>6/2013 - 5/2014</i>
American Red Cross First Aid Volunteer for Rose Parade	<i>1/2012</i>
Association of Salvadorans (ASOSAL) Tutoring	<i>1/2011 - 12/2011</i>
Blacker House Hackathon Coordinator	<i>1/2014</i>
Frosh Camp Counselor	<i>9/2011 and 9/2013</i>

## Technical Proficiencies

### *Languages:*

Java, Python, Javascript, C, C++, Prolog, Haskell, PHP, Matlab, Android Development, MySQL

### *Software and Technology:*

NUPACK scripting, Visual DSD, caDNAno, Git, Google Closure, HTML, CSS