

# Ilina Bhaya-Grossman

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## Education

**University of California, Berkeley**  
B.A., Cognitive Science and Computer Science, 2018  
Magna cum laude (3.92 GPA)

## Thesis

**Dual-EEG Evidence for a Shared Cognitive Space Underlying-Human Communication**  
Through the analysis of electroencephalographic (EEG) data acquired simultaneously during live interactions, I showed that subject's neural representations align to one another over the course of a communicative exchange.

## Research

**University of California, San Francisco**  
**Center for Integrative Neuroscience**  
Edward Chang Laboratory, Clinical Research Coordinator, 2019-present  
Project: Bilingual Perception of Vowel and Voice Onset Time  
- Performed statistical and decoding analyses on ECoG data

**University of California, Berkeley**  
**Helen Wills Center for Neuroscience**  
Robert Knight Laboratory, Research Assistant, 2016-2018  
Project: Hyperscanning during Non-verbal Communication Game  
- Recorded, preprocessed, and analyzed EEG data

**Stanford University**  
**Bioengineering Department**  
KC Huang Laboratory, Research Assistant, 2012-2014  
Project: CUDA GPU Processing for Automated Bacterial Cell Annotation  
- Designed C programs that implemented parallel processing  
- Manually annotated cell shape and morphological features

## Awards

**Robert J. Glushko Prize**, 2018  
Distinguished Undergraduate Research in Cognitive Science  
**Travel Scholarship**, 2017  
Hong Kong University of Science and Technology Hackathon  
**Travel Scholarship**, 2015  
Tapia Conference for Diversity in Computing

## Honors

**Highest Honors in Cognitive Science**, 2018  
**Phi Beta Kappa Honor Society**, 2017  
**Computer Science Honor Society**, 2016  
Upsilon Pi Epsilon

Publications	<p>Ursell, T.S., Lee, T.K., Shiomi, D., Shi, H., Tropini, C., Monds, R.D., Colavin, A., Billings, G., <b>Bhaya-Grossman, I.</b>, Broxton, M., Huang, B.E., Niki, H., Huang, K.C. (2017). “Rapid, precise quantification of bacterial cellular dimensions across a genomic-scale knockout library”. BMC Biology.</p> <p><i>In Preparation</i></p> <p>Oganian, Y., <b>Bhaya-Grossman I.</b>, Chang E.F. (2019). “Vowel Representation in the Bilingual STG”.</p> <p><b>Bhaya-Grossman I.</b>, Perry A., Knight R.T., Stolk A. (2019). “Dual-EEG Evidence for a Shared Cognitive Space Underlying Human Communication”.</p>				
Teaching	<p><b>University of California, Davis</b>  Department of Neurosurgery, Programming Tutor, 2019  Course: sEEG/ECOG Fieldtrip Bootcamp</p> <p><b>University of California, Berkeley</b>  Computer Science Department, Tutor, 2015-2017  Courses: Data Structures, Interpretation of Computer Programs</p> <p>Data-Lab, Teaching Assistant, 2015-2016  Course: Python for Social Scientists</p>				
Languages and Skills	<p>English (native), Chinese (advanced)  Java, Python, Matlab, L<sup>A</sup>T<sub>E</sub>X, C, C++, SQL, Golang, Angular 4, HTML, CSS, R</p>				
Internships	<p><b>Workday Incorporated</b>, Software Engineering Intern, 2018  Project: Optimizing Performance and Diagnosing Code Deficiencies with JProfiler</p> <p><b>Scoredata</b>, Software Engineering Intern, 2017  Project: Integrating Angular 4 into the ScoreData Labs Website Framework</p>				
References	<table> <tr> <td data-bbox="461 1394 922 1541"> Dr. Arjen Stolk  Helen Wills Center for Neuroscience  University of California, Berkeley  a.stolk8@gmail.com </td> <td data-bbox="948 1394 1487 1541"> Dr. Yulia Oganian  Center for Integrative Neuroscience  University of California, San Francisco  Yulia.Oganian@ucsf.edu </td> </tr> <tr> <td data-bbox="461 1575 922 1719"> Professor Robert Knight  Helen Wills Center for Neuroscience  University of California, Berkeley  rtknight@berkeley.edu </td> <td data-bbox="948 1575 1487 1719"> Professor Edward Chang  Center for Integrative Neuroscience  University of California, San Francisco  Edward.Chang@ucsf.edu </td> </tr> </table>	Dr. Arjen Stolk Helen Wills Center for Neuroscience University of California, Berkeley a.stolk8@gmail.com	Dr. Yulia Oganian Center for Integrative Neuroscience University of California, San Francisco Yulia.Oganian@ucsf.edu	Professor Robert Knight Helen Wills Center for Neuroscience University of California, Berkeley rtknight@berkeley.edu	Professor Edward Chang Center for Integrative Neuroscience University of California, San Francisco Edward.Chang@ucsf.edu
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