

# YOKO KANAI

BA – NEUROSCIENCE AND COMPUTER SCIENCE | VANDERBILT UNIVERSITY '17

786 WILDWOOD LANE, PALO ALTO, CA 94303 | [YOKO.M.KANAI@VANDERBILT.EDU](mailto:YOKO.M.KANAI@VANDERBILT.EDU) | (650) 387-1129

**2 SECOND BIO:** Programmer, brain geek, classical musician, activist. Loves educational advocacy, Parks & Rec, rap, coffee.

## RELEVANT SKILLS

- Expertise in Java, C++, OOP, software design, MATLAB
- Familiarity with Android, Processing, JavaScript, HTML/CSS, Python
- Taking classes in programming languages, OS, database management in Spring 2016
- Knowledge of discrete mathematics, algorithms, digital logic, hardware organization
- Strong leadership, collaboration, and communication
- Efficient, eager workmanship and trainability
- Strong experience and education in biological and social sciences, writing, and social media

## EDUCATION

### VANDERBILT UNIVERSITY

NASHVILLE, TN

BACHELOR OF ARTS '17, NEUROSCIENCE AND COMPUTER SCIENCE

GPA: 3.59 | Dean's List (4 semesters)

### PALO ALTO SENIOR HIGH SCHOOL

PALO ALTO, CA

HIGH SCHOOL DIPLOMA '13

GPA: 3.75 | Weighted GPA: 4.00

## ORGANIZATIONS & LEADERSHIP

Girls Who Code

she++ Ambassador '15-'16

Vanderbilt Student Government – Sexual Assault Prevention Task Force

Vanderbilt Hustler – Opinion Columnist

Vanderbilt Student Volunteers for Science (VSVS) – Team Leader

Students for Bernie Sanders – Events, Voter Registration Committees

Blair Symphonic Choir

Vandy Democrats

Hidden Dorez – Arts Committee

Fraiche Yogurt – Shift Lead

## REFERENCES

**JOCELYN SY**, POST-DOC RESEARCHER

VANDERBILT VISION RESEARCH CENTER

[JOCELYN.L.SY@VANDERBILT.EDU](mailto:JOCELYN.L.SY@VANDERBILT.EDU)

**ESTHER FENSEL**, PROGRAM MANAGER

GIRLS WHO CODE

[ESTHER.FENSEL@GMAIL.COM](mailto:ESTHER.FENSEL@GMAIL.COM)

**MANDEEP DHILLON**, CEO

**ELIZABETH DOUGLAS**, PRESIDENT & COO

WIKIHOW, INC.

[ELIZABETH@WIKIHOW.COM](mailto:ELIZABETH@WIKIHOW.COM) | (650) 492-8008

## EXPERIENCE

### UNDERGRADUATE RESEARCH ASSISTANT VANDERBILT VISION RESEARCH CENTER

AUG 2015 – MAY 2016

RA for Prof. Randolph Blake.

Exploring visual perception and cognitive instability in binocular rivalry.

Experimental design, implementation, and quantitative analysis of data using MATLAB.

### SUMMER IMMERSION PROGRAM TEACHING ASSISTANT | CLUB INSTRUCTOR AND ORGANIZER GIRLS WHO CODE

JUN – AUG 2015 / AUG 2015 – MAY 2016

Teaching assistant for the Girls Who Code Level 2 summer program at Microsoft Mountain View (all girls had previously taken AP CS).

Taught basics in web development, robotics, physical computing, video games, algorithms, and mobile development.

Started a local Girls Who Code club in Nashville, organizing and teaching a weekly computer science course for local middle school girls.

Overseeing logistics, recruitment, instruction, and classroom management.

### GROWTH HACKING AND COMMUNITY MANAGEMENT INTERN

1STUDENTBODY, INC.

JUN – AUG 2014

Summer intern for 1StudentBody, a start-up in Palo Alto that creates various iOS apps for high schoolers.

Community management, social media campaigns, email, gathering UX data, and growth hacking.

### EDITING INTERN WIKIHOW, INC.

JAN 2013 – MAY 2014

Wrote, edited, and illustrated how-to guides, and administrative tasks. Part-time during the school year and full-time over the summer.

137 new articles and 2735 edits by May 2014.

## OTHER TALENTS AND PASSIONS

Well-rounded musical knowledge (violin, choral, orchestral)

Fluency in Japanese (spoken and written)

Enthusiastic, outgoing personality

Experience working with school-aged children

Teaching and communicating code and science

Public speaking

Volunteer work/activism

Women's health

Educational reform

Gender and ethnic diversity in STEM

Poverty alleviation

Youth advocacy

Environmental protection

Arts outreach

