# ASHTON TENG

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## Education

**UNIVERSITY OF CALIFORNIA BERKELEY — Sep 2014-present**

B.A. candidate in Cognitive Science and Computer Science, expected in May 2018

Cumulative GPA: 3.976/4.0

*Relavant Coursework:*

| | |
|---|---|
| CogSci 1 - Introduction to Cognitive Science | Math 1A - Calculus |
| CogSci c127 - Cognitive Neuroscience | Math 54 - Linear Algebra and Differential Equations |
| MCB c61 - Brain, Mind, and Behavior | Stat 20 - Introduction to Statistics and Probability |
| CS 61A - The Structure and Interpretation of Computer Programs | Ling 100 - Introduction to Linguistic Science |
| CS 61B - Data Structures | Philos 25B - Modern Philosophy |
| CS 188 - Artificial Intelligence | Chem 1A - General Chemistry |
| STAT134 - Concepts of Probability | French 3, 4 - Intermediate French, Advanced Intermediate French |

**WESTERN ACADEMY OF BEIJING — Sep 2010-May 2014**

International Baccalaureate Diploma Student

**Higher Level Subjects:**

Physics (7/7), Chemistry (6/7), Mathematics (7/7)

**Standard Level Subjects:**

Psychology (7/7), English A Language and Literature (6/7), French B (7/7)

## Research Experience

**Gallant Lab — April 2016-present**

(PI: Jack Gallant, Supervisor: Leila Wehbe)

- Labelling features of fMRI audio and video stimuli in order to build prediction models
- Write Python scripts to analyze large amounts of fMRI data in order to find brain activity patterns

**D'Esposito Cognitive Neuroscience Lab — Jan 2016-present**

(PI: Mark D'Esposito, Supervisor: Kai Hwang)

- Recruitment and coordination of experiment participants
- Data acquisition using TMS and fMRI (certified operator)
- Performing graph theory based network analyses on brain attention inhibition networks
- Statistical analysis of brain data using AFNI and Python

**Gopnik Cognitive Development Lab — Jan 2015-Jan 2016**

(PI: Dr. Alison Gopnik, Supervisor: Shaun M. O'Grady)

- Developing experimental stimuli for social attribution tasks
- Conducting developmental psychology experiments with adolescents
- Recruiting participants in school and museum settings (recruiting methods include cold-calling, social media, and email)

- Presenting relevant research papers in laboratory meetings

## Work Experience

**MICROSOFT RESEARCH ASIA (Cloud + Enterprise China) — June 2015**

Mentor: Joanna Li ([joanli@microsoft.com](mailto:joanli@microsoft.com))

- Core Developer for C+E China internal website
- Designed Monthly C+E China newsletter (HTML & CSS in Outlook)
- Attended and contributed to C+E meetings
- Generated application ideas for Project Oxford (projectoxford.ai) APIs.
- Developed a web app (SmartCrop) based on Project Oxford's computer vision API
- Planned, filmed, and edited an "Introduction to Project Oxford" tutorial video for developers

## Skills

- Python (matplotlib, scipy, numpy, panadas), Java, HTML5, CSS3, JQuery, JavaScript, Adobe Photoshop, Adobe AfterEffects, Microsoft Office, Apple iWork, Final Cut Pro.
- Fluent in Mandarin Chinese, English. Advanced Intermediate French.
- CITI Ethics Training (behavioral and biomedical research)

## Extracurricular

**UNIVERSITY OF CALIFORNIA BERKELEY — Sep 2014-present**

Cognitive Science Student Association

- Internal Member (2014-2015), Secretarial Chair (2015-2016)
- Involved in general event planning (e.g. graduate student research talks)
- Involved in planning of the annual California Cognitive Science Conference:
  - Theme brainstorming and selection
  - Speaker decisions and invitations
  - Marketing via social media
  - Design and production of official T-shirt and accessories
  - Coordinating with the other groups for demonstrations (e.g. Cognitive Technology)
  - Day-of technical support

Student Health Advisory Committee (SHAC)

- International Students Representative, Transgender Students Representative, eTang Renovation Group Member
- Biweekly meetings with other community representatives and university administration
- Advises the Tang Center and University Health Services on specific community health needs
- Meets with community leaders to identify core community health needs
- Formulating best plan to disseminate UHS information into communities, and collect feedback and concerns
- User testing and design input for the imminent overhaul of the eTang web system