
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: 3.926/4.0

Relevant Coursework:

CogSci 1 - Introduction to Cognitive Science

CogSci c127 - Cognitive Neuroscience

Vision Science 265 - Neural Computation*

MCB 160 - Introduction to Neurobiology*

MCB c61 - Brain, Mind, and Behavior

CS 61A - The Structure and Interpretation of
Computer Programs

CS 70 - Discrete Mathematics and Probability

CS 61B - Data Structures

CS 188 - Artificial Intelligence

CS 189 - Machine Learning*

*In Progress

EE 16A - Designing Information Devices and
Systems*

Stat134 - Concepts of Probability

Math 1A - Calculus

Math 54 - Linear Algebra and Differential Equations

Stat 20 - Introduction to Statistics and Probability

Ling 100 - Introduction to Linguistic Science

Philos 25B - Modern Philosophy

Chem 1A - General Chemistry

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

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

Gallant Lab — April 2016-present

(PI: Jack Gallant, Supervisor: Leila Wehbe)

- Recruitment and coordination of experiment participants
- Building Natural Language Processing models using Machine Learning techniques
- Statistical analysis of brain data using 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)

- 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 (numpy, scipy, matplotlib, nibabel, nilearn), Java, Scheme, SQL, HTML5, CSS, Javascript, JQuery
- Hype Pro, Adobe Photoshop, Adobe AfterEffects, Final Cut Pro, Microsoft Office, Apple iWork, Google Docs
- Fluent in Mandarin Chinese, English. Advanced Intermediate French.
- CITI Ethics Training (behavioral and biomedical research)
- Transcranial Magnetic Stimulation operation, Functional Magnetic Resonance Imaging operation

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
- 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