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MICHAEL BRITTON

EDUCATION

2002-2006

University of California, Berkeley

Berkeley, CA

*Bachelor's Degree - Cognitive Neuroscience**Minor - Linguistics*

- Coursework included study of cognition through computer science, neurobiology, psychology, philosophy, and linguistics. Sample courses include artificial intelligence, discrete math, statistics, introduction to programming, neuroanatomy, mind and language, and theory of mind

2001-2003

West Hills College

Lemoore, CA

A+ Certification

- A+ certification course, computer hardware and repair, web development, design, HTML, and XML

1998-2002

Hanford High School

Hanford, CA

High School Diploma

- Advanced Placement, honors, and general education

TECHNICAL SKILLS

Programming

Python (NumPy, Matplotlib, Django),
React (JavaScript, HTML, CSS, Redux, Axios)
MATLAB (SPM), XML, PHP, C++

Design Tools

Figma, Diagrams.net (draw.io)

Version Control

Git, Bitbucket, Sourcetree, GitHub

Database

PostgreSQL (RDBMS), Firebase (NoSQL),
MySQL, MariaDB, phpMyAdmin

IDE

VS Code, PyCharm, Spyder, MATLAB

Other Software

Microsoft Office, Adobe Creative Suite

Operating Systems

Microsoft Windows, MacOS, Linux

WORK EXPERIENCE

2020-Present

Vertices

Tokorozawa, Saitama

Frontend Engineer – Part time

- Collaborate on interface prototypes with teammates using design tools, create web application components based on collaborative designs, use version control to track and manage code changes, propose conceptual project ideas, present and defend ideas to team and receive critical feedback, undertake non-technical roles such as bookkeeping, tax statement preparation, and curriculum data creation and management

2015-Present

Iruma Board of Education

Iruma, Saitama

Head Teacher / Assistant English Teacher (AET)

- Teach English and create curricula, lessons, and materials at junior high and elementary schools, recruit and coach students for annual city-wide speech contest, facilitate workshops for Japanese teachers of English (JTE), coordinate city-sponsored conversation school for elementary school JTEs, communicate in Japanese with JTEs and other staff, participate in school events

2012-2015

Interac

Nerima-ku, Tokyo

Head Teacher / Assistant Language Teacher (ALT)

- Taught English at junior high and elementary schools using the Japanese Ministry of Education (MEXT) principles, facilitated trainings for new and continuing ALTs, coordinated teaching-method workshops for

Japanese teachers of English (JTE), observed ALT lessons and provided feedback, planned lessons, supported JTEs in class, used basic Japanese with staff, participated in school events

2010-2012 **NOVA** Tokorozawa, Saitama
Language Instructor

- Taught English language, conversation, business, travel, and grammar classes to students ranging from three to ninety-five years old and maintained highest capacity in Tokorozawa every month in 2011

2009-2010 **San Francisco Veteran's Administration** Berkeley, CA
Senior Research Associate

- Designed experimental paradigms for use with fMRI acquisitions, recruited participants, administered fMRI brain scans on human subjects, collected, processed, organized, and analyzed data using MATLAB, MySQL, Excel, etc., visualized, reported, and presented findings, regularly read scientific publications

2006-2009 **Helen Wills Neuroscience Institute** Berkeley, CA
Staff Research Associate

- Administered brain scans to healthy human subjects and patients with traumatic brain injury, formulated and implemented custom scripts to analyze, organize, and visualize data using MATLAB, MySQL, Excel, and like software, reported data, presented results, and learned fundamentals of research, statistics, and programming

LANGAUGES

English – Native	Spanish – 5 years classroom study
Japanese – JLPT N2	French – 2 years classroom study

RELEVANT EXTRACURRICULAR EXPERIENCE

The following are coding-related activities that have been completed or are current works in progress:

Udemy – React: The Complete Guide	Projects – Homework – web app used to teach online
– Python Django: Complete Course	– CV – online resume using React
Project Euler – solve complex math with Python	– Crypto Bot – trade crypto in PHP and Python

KEY PUBLICATIONS AND PRESENTATIONS

- Chen AJ-W, **Britton M**, Turner GR, Vytlačil J, Thompson TW and D'Esposito M Goal-directed attention alters the tuning of object-based representations in extrastriate cortex. *Frontiers in Human Neuroscience*. 6:187. 2012 June.
- Chen A J-W, Nycum T, **Britton M**, D'Esposito M. (2008). Neural bases of goal-directed selection of information for working memory. Presented at the Cognitive Neuroscience Society, San Francisco CA.
- **Britton M**, Chen A J-W, Hoffman J, Gibbs S, Shanholtzer M, D'Esposito M. (2007). Modulation of dopamine function alters attentional control of visual processing. Presented at the Annual Meeting of Society for Neuroscience, San Diego CA.
- Chen A J-W, Thompson T, **Britton M**, D'Esposito, M. (2007). A Mechanism of Top-Down Control Over Information Processing by Selective Attention. Presented at the Annual Meeting of Cognitive Neuroscience Society, New York, NY.
- Chen A J-W, **Britton M**, Thompson T, Nir T, Fegen D, Hoffman J, Barackman M, D'Esposito M. (2007). Sharpening of neural representations: A mechanism of top-down control over information processing by selective attention. Presented at Bay Area Neuroscience Gathering, San Francisco, CA.
- Chen A J-W, Thompson T, **Britton M**, Nycum T, D'Esposito M. (2006). Differences in fMRI Indices of Inter-regional Neural Interactions. Presented at the Annual Meeting of the Society for Neuroscience, Atlanta, GA.

HOBBIES

Tennis	Cryptocurrency	NAS	Photography	Snowboarding	Strategy games
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