

Albert K. You

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Skills

Data Analysis Python, MATLAB, RStudio, Tableau, SQL, Statistics, Machine Learning, Signal Processing
Other Version Control, UNIX, Computer Aided Design, Adobe Stack, Professional Writing

Education

PhD in Bioengineering

UNIVERSITY OF CALIFORNIA, BERKELEY (JOINT WITH UC SAN FRANCISCO)

Berkeley, CA

Sept. 2015 - May 2020 (expected)

BS in Biomedical Engineering | Minor in Management

UNIVERSITY OF MINNESOTA, TWIN CITIES

Minneapolis, MN

Sept. 2011 - May 2015

Work Experience

Data Science Consultant

MULTIPLE CLIENTS

Oakland, CA

May 2020 - Present

- Discussed project goals with clients to identify types of data to collect and best practices for generating and validating models.
- Conducted exploratory analyses and created data visualizations.
- Developed back-end code repositories for projects consisting of algorithms and models that interfaced with the front-end.
- Worked independently and collaborated in interdisciplinary groups in fast-paced projects.

PhD Candidate | NSF Graduate Research Fellow

UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, CA

Sept. 2015 - May 2020 (expected)

- Designed and conducted multiple neuroscience experiments, investigating how the brain learns to control brain-machine interfaces.
- Applied machine learning to decode time-series neural signals into effector movements.
- Created experimental paradigms and analyzed data in Python and MATLAB. Presented findings at conferences, talks, and publications.
- Mentored undergraduate and junior graduate students, collaborating on projects.

Research Assistant

UNIVERSITY OF MINNESOTA, TWIN CITIES

Minneapolis, MN

May 2013 - July 2015

- Analyzed electroencephalography (EEG) data relating meditation to brain-computer interface performance.
- Significantly improved BCI performance of a commercially available EEG headset. 2nd Place poster award at conference.
- Conducted experiments using multiple neurostimulation modalities, working with healthy human subjects and stroke patients.

Leadership Experience

Content Creator | CYOUBX

YOUTUBE

Oakland, CA

Oct. 2009 - Present

- Prominent community figure, creating Rubik's cube tutorials, hardware reviews, and entertainment videos.
- Filmed, edited, and published over 300 videos and gathered more than 3 million views.
- Sponsored by more than 10 brands and companies. Currently brand ambassador for TheCubicle.

Graduate Student Instructor | Senior Capstone in Bioengineering

UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, CA

Sept. 2017 - Dec. 2017

- Prepared and led lectures in medical device design principles, SolidWorks, and Arduino.
- Mentored groups of students to design medical devices for industry clients.
- Received Outstanding Graduate Student Instructor Award.

Inventions

Maru CX3

RUBIK'S CUBE MECHANISM

Minnesota and Taipei, Taiwan

May 2012

- Designed an interlocking mechanism for the Rubik's cube to increase puzzle stability.
- Marketed and sold the design to Taiwanese toy company. Became gold standard until 2015.