Adam Li

NEURAL DATA SCIENTIST · APPLIED MACHINE LEARNING · STATISTICS AND MATHEMATICS · ENGINEERING LEADERSHIP AND PROJECT MANAGEMENT

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Positions _____

Postdoctoral Fellow

New York City, NY

COLUMBIA UNIVERSITY | COMPUTER SCIENCE DEPARTMENT (ADVISOR: ELIAS BAREINBOIM)

NSF Computing Innovation Fellow

Jan. 2022

Education

PhD in Biomedical Engineering

Baltimore, MD

JOHNS HOPKINS UNIVERSITY | GPA: 3.8

Aug. 2015 — Present

• Advisor: Dr. Sridevi Sarma | Thesis: Computational Localization of the Epileptogenic Zone

• NIH NETI Fellow, NSF-GRFP Fellow, Whitaker Fellow, Chateaubriand Fellow, ARCS Chapter Scholar

MS in Applied Mathematics and Statistics

Baltimore, MD

JOHNS HOPKINS UNIVERSITY | GPA: 3.8

Aug. 2019 — May 2021

• Coursework in: Statistical Learning Theory, Optimization, Matrix Analysis, Real Analysis

B.S. Bioengineering, B.S. Mathematics - Applied Sciences

La Jolla, CA

University of California San Diego | Major GPA: 3.75

• Tau Beta Pi, Gordon Scholar & Fellow, Provost's Honors

Sep. 2010 — Mar. 2015

Journal Publications, Preprints and Working Submissions

Neural Fragility as an EEG Marker of the Seizure Onset Zone - pdf

2021

ADAM LI, ET AL.

Nature Neuroscience

Manifold Oblique Random Forests: Closing the Gap on Convolutional Neural Networks - pdf

2021

ADAM LI*, ET AL.

ADAM LI*, ET AL.

ArXiv (in review at SIMODS)

Classification of Stereo-EEG Contacts in White Matter vs. Gray Matter Using Recorded Activity - pdf

2021

2018

P. Greene, **Adam Li**, J. González-Martínez, S. V. Sarma

Frontiers in Neurology

Using network analysis to localize the epileptogenic zone from invasive EEG recordings in intractable focal epilepsy - pdf

Network Neuroscience

Source-sink connectivity: A novel interictal EEG marker for seizure localization - pdf

2021

GUNNARSDOTTIR, K., LI, ADAM, ET AL.

In Review at Brain

Neural Fragility of the Intracranial EEG Network Decreases after Surgical Resection of the Epileptogenic Zone - pdf

2021

ADAM LI, P. MYERS, N. WARSKI, K. GUNNARSDOTTIR, S. KIM, V. JIRSA, A. OICHI, H. OTUSBO, G. IBRAHIM, S. V. SARMA

In Review at Brain Communications

Patents

GEAR (Game Enhancing Augmented Reality) - A lower limb alternative control interface for computers.

Patent Application No. 16309183

Gyorgy Levay, Adam Li, Nate Tran

May 23rd, 2016

Identifying the Epileptogenic Zone using Network Fragility Theory
SRIDEVI SARMA, ADAM LI, JORGE GONZALEZ

Patent Application No. 62421037

Nov. 11th, 2017

SRIDEVI SARMA, ADAM LI, JORGE GONZALEZ

Peer-Reviewed Conference Proceedings

Network Fragility in Seizure Genesis in an Acute in vivo Model of Epilepsy

ADAM LI, DANIEL EHRENS, FADI AEED, YITZHAK SCHILLER, SRIDEVI V SARMA

Evaluating Invasive EEG Implantations in Medically Refractory Epilepsy with Functional Scalp EEG Recordings and Structural Imaging Data

Anil Palepu, Adam Li, Zachary Fitzgerald, Katherine Hu, Julia Costacurta, Juan Bulacio, Jorge Martinez-Gonzalez, Sridevi V Sarma

Virtual Cortical Stimulation Mapping of Epilepsy Networks to Localize the Epileptogenic Zone

Adam Li, Sridevi V Sarma, Zachary Fitzgerald, Jennifer Hopp, Emily Johnson, Nathan Crone, Juan Bulacio, Jorge Martinez-Gonzalez, Sara Inati, Kareem Zaghloul

Linear Time-Varying Model Characterizes Invasive EEG Signals Generated from Complex Epileptic Networks

Adam Li, Kristin M. Gunnarsdottir, Sara Inati, Kareem Zaghloul, John Gale, Juan Bulacio, Jorge Martinez-Gonzalez, Sridevi Sarma

Fragility in epileptic networks: The epileptogenic zone

ADAM LI, SARA INATI, KAREEM ZAGHLOUL AND SRIDEVI SARMA

Estimating Unmeasured Invasive EEG Signals Using a Reduced Order Observer

KRISTIN M. GUNNARSDOTTIR, ADAM LI, JUAN BULACIO, JORGE GONZALEZ-MARTINEZ, SRIDEVI V. SARMA

IEEE EMBS - EMBC

Montreal, Canada 2020

IEEE EMBS - EMBC

Berlin, Germany 2019

IEEE EMBS - EMBC

Berlin. Germany 2019

IEEE EMBS - EMBC

IEEE EMBS - EMBC

Jeju, South Korea 2017

American Control Conference

Seattle, WA 2017

IEEE EMBS - EMBC

Jeju, South Korea 2017

Honors & Awards

Chateaubriand STEM Research Fellowship, Pre-doctoral international fellowship Whitaker Research Fellowship, Pre-doctoral international fellowship NSF, Graduate Research Fellowship NSF, Graduate Research Fellowship - Honorable Mention USA 1016 Intel Cornell Cup, 1st place NIH NETI, Graduate training fellowship NIH NETI, Graduate training fellowship DIEA Center Scholar, undergraduate research fellowship UCSD 1024 IDEA Center Scholar, undergraduate research fellowship UCSD 2014 ASAIO Student Design Competition, top 27 in USA Amgen Scholar, undergraduate research fellowship UCSD 2013 Gordon Leadership Scholar, undergraduate leadership UCSD 2014 Gordon Leadership Scholar, undergraduate leadership	2020	ARCS Chapter Fellowship, 1 of 3 awardees - Pre-doctoral Fellowship	Washington, DC
Whitaker Research Fellowship, Pre-doctoral international fellowship NSF, Graduate Research Fellowship NSF, Graduate Research Fellowship - Honorable Mention USA 1016 Intel Cornell Cup, 1st place NIH NETI, Graduate training fellowship NIH NETI, Graduate training fellowship Frontiers of Innovation Scholars, undergraduate research fellowship UCSD 1014 IDEA Center Scholar, undergraduate research fellowship UCSD 2014 Gordon Fellow, undergraduate leadership award UCSD 2014 ASAIO Student Design Competition, top 27 in USA 2013 Amgen Scholar, undergraduate research fellowship UCSD 2013 Gordon Leadership Scholar, undergraduate leadership UCSD 2016 UCSD 2017 Again Scholar, undergraduate research fellowship UCSD 2018 Gordon Leadership Scholar, undergraduate leadership	2019	Whitaker Conclusion Grant, 1 of 5 teams awarded \$100k - Outreach Fellowship	USA
NSF, Graduate Research Fellowship - Honorable Mention NSF, Graduate Research Fellowship - Honorable Mention USA 2016 Intel Cornell Cup, 1st place NIH NETI, Graduate training fellowship Baltimore 2015 Frontiers of Innovation Scholars, undergraduate research fellowship 2014 IDEA Center Scholar, undergraduate research fellowship 2014 Gordon Fellow, undergraduate leadership award 2014 ASAIO Student Design Competition, top 27 in USA 2013 Amgen Scholar, undergraduate research fellowship 2016 UCSD 2017 Gordon Leadership Scholar, undergraduate leadership	2017	Chateaubriand STEM Research Fellowship, Pre-doctoral international fellowship	France
NSF, Graduate Research Fellowship - Honorable Mention USA 2016 Intel Cornell Cup, 1st place 2015 NIH NETI, Graduate training fellowship 2015 Frontiers of Innovation Scholars, undergraduate research fellowship 2014 IDEA Center Scholar, undergraduate research fellowship 2014 Gordon Fellow, undergraduate leadership award 2014 ASAIO Student Design Competition, top 27 in USA 2013 Amgen Scholar, undergraduate research fellowship 2016 UCSD 2017 Gordon Leadership Scholar, undergraduate leadership 2018 UCSD 2019 Gordon Leadership Scholar, undergraduate leadership	2017	Whitaker Research Fellowship, Pre-doctoral international fellowship	France
2016Intel Cornell Cup, 1st placeUSA2015NIH NETI, Graduate training fellowshipBaltimore2015Frontiers of Innovation Scholars, undergraduate research fellowshipUCSD2014IDEA Center Scholar, undergraduate research fellowshipUCSD2014Gordon Fellow, undergraduate leadership awardUCSD2014ASAIO Student Design Competition, top 27 in USAUSA2013Amgen Scholar, undergraduate research fellowshipUCSD2013Gordon Leadership Scholar, undergraduate leadershipUCSD	2017	NSF, Graduate Research Fellowship	USA
NIH NETI, Graduate training fellowship Prontiers of Innovation Scholars, undergraduate research fellowship UCSD IDEA Center Scholar, undergraduate research fellowship Gordon Fellow, undergraduate leadership award ASAIO Student Design Competition, top 27 in USA Amgen Scholar, undergraduate research fellowship Gordon Leadership Scholar, undergraduate leadership UCSD UCSD UCSD UCSD UCSD	2016	NSF, Graduate Research Fellowship - Honorable Mention	USA
Frontiers of Innovation Scholars, undergraduate research fellowship UCSD 1DEA Center Scholar, undergraduate research fellowship COSD 2014 Gordon Fellow, undergraduate leadership award 2014 ASAIO Student Design Competition, top 27 in USA 2013 Amgen Scholar, undergraduate research fellowship 2013 Gordon Leadership Scholar, undergraduate leadership UCSD 2018 UCSD 2019 UCSD	2016	Intel Cornell Cup, 1st place	USA
2014IDEA Center Scholar, undergraduate research fellowshipUCSE2014Gordon Fellow, undergraduate leadership awardUCSE2014ASAIO Student Design Competition, top 27 in USAUSA2013Amgen Scholar, undergraduate research fellowshipUCSE2013Gordon Leadership Scholar, undergraduate leadershipUCSE	2015	NIH NETI, Graduate training fellowship	Baltimore
2014Gordon Fellow, undergraduate leadership awardUCSD2014ASAIO Student Design Competition, top 27 in USAUSA2013Amgen Scholar, undergraduate research fellowshipUCSD2013Gordon Leadership Scholar, undergraduate leadershipUCSD	2015	Frontiers of Innovation Scholars, undergraduate research fellowship	UCSD
2014 ASAIO Student Design Competition, top 27 in USA 2013 Amgen Scholar, undergraduate research fellowship 2013 Gordon Leadership Scholar, undergraduate leadership UCSD	2014	IDEA Center Scholar, undergraduate research fellowship	UCSD
2013 Amgen Scholar, undergraduate research fellowship 2013 Gordon Leadership Scholar, undergraduate leadership UCSD	2014	Gordon Fellow, undergraduate leadership award	UCSD
2013 Gordon Leadership Scholar , undergraduate leadership	2014	ASAIO Student Design Competition, top 27 in USA	USA
	2013	Amgen Scholar, undergraduate research fellowship	UCSD
2012 CaliT Scholar , undergraduate research fellowship	2013	Gordon Leadership Scholar, undergraduate leadership	UCSD
	2012	CaliT Scholar, undergraduate research fellowship	UCSD

Entrepreneurial Awards

2021	NSF	SRIR	Phase	I Grant

- 2019 Maryland Innovative Initiative (MII) Grant,
- 2018 NSF SBIR Phase I Grant,
- 2014 NCIIA E-Team Grant,
- 2013 Health and Life Sciences Grant,
- 2013 Von Liebig NSF I-Corps Fellow,

Grants

NSF SBIR Phase-I Grant (2112011) - Co PI

\$256k

May 15, 2021 — April 30, 2022 | Improving Diagnosis of Epilepsy by Applying Network Analytics to Non-Seizure Scalp EEG Data

Whitaker Phase I Conclusion Grant - Co PI

\$100k

Jan. 2019 — Jan. 2023 | Outreach for Biomedical Science story-telling around the world.

Experience

Co-Founder and CTO, Neurologic Solutions Corp.

Sep. 2018 — Mar. 2021

- Raised over \$600K non-dilutive funds to-date (Two NSF SBIR Phase I \$225k, Mayland Innovation Initiative \$150k, \$10K JHTV Pitch Competition).
- Filed provisional patents and full patents in the USA, European and Japan markets through collaboration with Johns Hopkins Technology Ventures (JHTV)
- Led product development of software product with team of 3 software engineers for helping clinicians localize the epileptogenic zone in epileptic patients (AWS infrastructure with Kubernetes and Flux, REST API, algorithm development, UX design and data engineering).
- Led 510k FDA approval process with a team of 5 engineers, consultants and advisors involving risk analysis, software requirements, design specifications, and user-testing (unit testing, continuous integration, and software documentation).
- Led research of EEG, imaging and clinical datasets to validate machine learning algorithms to inform clinical decision making in epilepsy patient treatment.

Graduate Research Assistant, Neuromedical Control Systems Lab, Johns Hopkins University Advisor: Dr. Sridevi Sarma

Aug. 2015 — Present

- Coordinated data pipeline of electrophysiological and clinical data of epilepsy patients from 5 hospitals in coordination with clinicians in setting up
 a HIPAA-compliant server for highly parallelized data analysis, resulting in Nature Neuroscience publication.
- Identified and developed signal processing and statistical analysis of clinical multi-modality datasets that resulted in over 400 pull requests merged in open-source packages with up to 1,000's of users (**Git, CI, unit-testing, software design & development**)
- Developed statistical and machine learning models on multivariate time series EEG, clinical and neuroimaging MRI and CT data to analyze different seizure localization models (model building & validation with **scikit-learn/keras/pytorch**, data wrangling with **pandas,numpy**).
- Coordinated open-source discussions on EEG and iEEG data formatting in a 79 international team of researchers on Github (**technical communication of the Brain Imaging Data Structure BIDS**)
- Coordinated a team of engineers to develop a structure-aware Random Forest algorithm in Python and Cython to perform manifold learning (to be implemented as a PR into **scikit-learn**).

Visiting Research Scientist, Theoretical Neurosciences Group, Aix-Marseille University Advisors: Dr. Viktor Jirsa, Dr. Sridevi Sarma

Sep. 2017 — Sep. 2018

- Developed a high-throughput parallelized data pipeline for multi-modality 3D brain imaging using **Bash and Snakemake (Python DAG engine)** resulting in robust 3D brain visualizations.
- Designed **nonlinear biophysical models** with **linear dynamical systems analysis** to predict the surgical outcome in epileptic patients resulting in a paper to be submitted to Brain
- Developed a supervised deep learning pipeline using nonlinear computational modeling and a Recurrent-CNN model to perform patient-specific seizure detection (Python/Keras/Pytorch)
- Implemented open-source code on *The Virtual Brain* (a Human Brain Project) for generating observational noise, analysis of simulated source signals and scientific demos

WORK EXPERIENCE

Co-Founder and CTO, Neurologic Solutions Corp.

Sep. 2018 — Present

- Raised over \$600K to-date (Two NSF SBIR Phase I \$225k, Mayland Innovation Initiative \$150k, \$10K JHTV Pitch Competition).
- Filed provisional patents and full patents in the USA, European and Japan markets through collaboration with Johns Hopkins Technology Ventures (JHTV).
- Led product development of software product with team of 3 software engineers for helping clinicians localize the epileptogenic zone in epileptic patients (AWS infrastructure with Kubernetes and Flux, REST API, algorithm development, UX design and data engineering).
- Led **510k FDA** approval process with a team of 5 engineers, consultants and advisors involving risk analysis, software requirements, design specifications, and user-testing (unit testing, continuous integration, and software documentation).

Co-Founder, Biometrics Analytics

Jun. 2012 — Sep. 2015

- Researched & developed novel ways to evaluate Parkinson's Disease using biometric sensors and robust data analysis; led team in data acquisition of human data, data analysis and statistical analysis using MATLAB and Python.
- Led data acquisition of clinical data and full-body pose data from the Microsoft Kinect. Performed data analysis using machine learning and image processing algorithms (MATLAB, Python and C++).
- Raised over \$20,000 and obtained an IRB for a pilot clinical human study, resulting in the Gordon Fellowship Award for outstanding engineering leadership (awarded to 3 students/year at UCSD).
- $\bullet \ \ Worked\ in\ a\ team\ of\ 4\ for\ the\ Von\ Liebig\ NSF\ I-Corps\ Program\ and\ the\ NCIIA\ Entrepreneurship\ Program\ (\ 15\%\ acceptance\ rate)\ for\ startup\ incubation.$

Data Processing Intern, West Health Institute 501(C)

Jun. 2014 — Jun. 2015

- Wrote pymongo queries running on an event scheduler (Python, MongoDB) that provided computed features of game play and behavior for the clinical team to analyze behavior during experiments.
- Developed clinical web forms using HTML, CSS, JavaScript, which are then linked to an AWS server running MongoDB with Node.js (git and general version control).
- · Built an Android application that created a custom launch screen for the clinical team with Java and XML.
- Researched and recommended technological improvements to data collection that could be incorporated into the analytics group at the institute for the treatment of Autism Spectrum Disorder.

Project Team Leader, West Health Institute 501(C)

Jun. 2014 — Jun. 2015

- Wrote pymongo queries running on an event scheduler (Python, MongoDB) that provided computed features of game play and behavior for the clinical team to analyze behavior during experiments.
- Developed clinical web forms using HTML, CSS, JavaScript, which are then linked to an AWS server running MongoDB with Node.js (git and general version control).
- · Built an Android application that created a custom launch screen for the clinical team with Java and XML.
- Researched and recommended technological improvements to data collection that could be incorporated into the analytics group at the institute for the treatment of Autism Spectrum Disorder.

Process Development Engineering Intern and College Ambassador, Genentech

Aug. 2010 — Aug. 2011

- Collaborated with Genentech College Programs to improve online engagement by 60%, while coordinating events with directors and human resources that drew in over 200 attendees.
- Implemented a new batch control process using Rockwell Automation and PLCs to automate chromatography purification process (used SQL and Python).

Teaching

Teaching Assistant

Baltimore, MD

NEURODATA DESIGN COURSE (BME 580.638) - DEVELOP OPEN SOURCE CONTRIBUTIONS TO PYTHON SCIENTIFIC COMPUTING

Sep. 2019 — Jan 2020

Head Teaching Assistant

Baltimore, MD

Systems Bioengineering II Course (BME 580.424) - 150 students and 6 TAs

Jan. 2019 — May 2019

Teaching AssistantLa Jolla, CADATA STRUCTURES COURSE (CSE 12) - C, C++Sep. 2014 — May 2015

Conference Presentations and Posters

Automated classification of stereo-EEG contacts in white matter versus gray matter using recorded activity

Montreal, Canada (virtual)

IEEE ENGINEERING IN MEDICINE AND BIOLOGY

Jul. 2020

ADAM LI, PATRICK GREENE, JORGE MARTINEZ-GONZALEZ, SRIDEVI SARMA

Towards Automatic Localization and Anatomical Labeling of Intracranial Depth Electrodes in Brain Images

Montreal, Canada (virtual)

IEEE Engineering in Medicine and Biology Jul. 2020

ADAM LI, CHESTER HUYNH, JORGE MARTINEZ-GONZALEZ, SRIDEVI SARMA

Semi-Automatic SEEG Localization and Interactive Neuroimage Visualization in Epilepsy Patients

Montreal, Canada

Organization for Human Brain Mapping

June 23 - July 3, 2020

ADAM LI, CHESTER HUYNH, CHRISTOPHER COOGAN, SRIDEVI SARMA

MNE-BIDS: MNE-Python + BIDS = easy dataset interaction (Version 1.0.1)

Montreal, Canada

Organization for Human Brain Mapping

June 23 - July 3, 2020

Stefan Appelhoff, **Adam Li**, et al. - 10.5281/zenodo.3891836

Identification of the Epileptogenic Zone from Intracranial Electrocorticography with a Novel Network Fragility Algorithm in Patients with Temporal-Lobe Epilepsy

Virtual

AANS Jun. 2020

Iahn Cajigas, Damian Brusko, Angel Claudio, Adam Li, Sridevi Sarma, Andres Kanner, Jonathan Jagid

Application of A Network Fragility Algorithm for the Identification of the Epileptogenic Zone from Intracranial Electrocorticography in Patients with Temporal-Lobe Epilepsy

Baltimore, MD

AMERICAN EPILEPSY SOCIETY

Nov. 2019

Adam Li, Iahn Cajigas, Damian Brusko, Angel Claudio, Andres Kanner, Jonathan Jagid, Sridevi Sarma

Using personalized brain models to augment datasets for deep learning

Janelia, HHMI, USA

Workshop on Machine Learning and Computer Vision **Adam Li**, Sridevi Sarma, Viktor Jirsa

Integrating Large Brain Networks and Network Analysis to Understand The Epileptogenic Zone

Seattle, WA

Organization for Computational Neuroscience

Jul. 2018

Apr. 2019

ADAM LI, MARMADUKE WOODMAN, SRIDEVI SARMA, VIKTOR JIRSA

Integrating Large Brain Networks and Network Analysis to Understand The Epileptogenic

Tuscany, Italy

ADVANCED COURSE ON DATA SCIENCE & MACHINE LEARNING

Jul. 2018

ADAM LI, SRIDEVI SARMA, VIKTOR JIRSA

T101. Use of a quantitative algorithm to help predict seizure lateralization in a patient with bitemporal epilepsy and responsive nerve stimulation

Seattle, WA

CLINICAL NEUROPHYSIOLOGY 2018

JENNIFER J. HAAGENSEN, STEPHANIE CHEN, JENNIFER L. HOPP, ADAM LI, SRIDEVI SARMA

Skills

Programming Bash, Python, MATLAB, Scikit-learn, Pandas, Numpy, Keras, Pytorch, Cython

Misc. Open-source, Git, Software Design and Engineering, Software Quality Control, Software Testing

Open Source Software _____

MNE-Connectivity | https://github.com/mne-tools/mne-connectivity

Google Summer of Code 2021

DEVELOPER - (CONNECTIVITY ANALYSIS FOR NEURAL DATA)

2021 — Present

2019 — Present

Stereotactic EEG Kit (SEEK) | https://github.com/ncsl/seek

DEVELOPER - (DATA PIPELINE FOR NEUROIMAGING DATA)

2020 — Present

MNE-HFO | https://github.com/adam2392/mne-hfo

DEVELOPER - (HIGH-FREQUENCY OSCILLATIONS IN PYTHON)

 ${\bf BIDS} \mid https://github.com/bids-standard/bids-specification$

 ${\tt Electrophysiology\ Team\ Member-(Open-Access\ Scientific\ Data)}$

2019 — Present

MNE-Python | https://github.com/mne-tools/mne-python

CONTRIBUTOR - ELECTROPHYSIOLOGICAL DATA ANALYSIS

2019 — Present

MNE-BIDS | https://github.com/mne-tools/mne-bids

2019 — Present

CONTRIBUTOR - BIDS IO FOR MEG/EEG/IEEG
pybids | https://github.com/https://github.com/bids-standard/pybids

2019 — Present

CONTRIBUTOR - QUERYING OF BIDS DATASETS

bids-validator | https://github.com/https://github.com/bids-standard/bids-validator

CONTRIBUTOR - VALIDATION OF BIDS DATASETS

CONTRIBUTOR - DYNAMIC MODE DECOMPOSITION

2019 — Present

pyDMD | https://github.com/mathLab/PyDMD

2019 — Present

Leadership and Volunteer Work

EverydayBME - Co-Founder 2019 — Present | Worldwide

DESIGN AND AGGREGATE DIGITAL STORYBOOKS OF BIOMEDICAL SCIENCE (RESEARCHERS, STUDENTS, ETC.) OVER THE WORLD.

WORKED WITH BMESDIVERSITY AND WHITAKER FOUNDATION.

AAMPLIFY 501(C) - Director of Leadership

2017 — Present | San Francisco, CA

PLANNED AND IMPLEMENT A SUMMER LEADERSHIP AND ADVOCACY PROGRAM FOR AAPI YOUTH. ALSO INVOLVED IN RAISING OVER

\$5000 AS A NON PROFIT ORGANIZATION.

Engineering & Medicine Exchange - Co-Founder

2016 — 2017 | JHU

PLAN EVENTS FOR COLLABORATIONS BETWEEN ENGINEERING, MEDICINE AND PUBLIC HEALTH. ARDUINO WORKSHOP, MACHINE

LEARNING IN HEALTHCARE WORKSHOP, AND ELECTRONIC HEALTH RECORDS FOR ENGINEERING WORKSHOP.

Yale School of Management Pre-MBA Program - Global Pre-MBA Leadership Program

2014 | Yale

PLACED 3RD IN AUDUBON BUSINESS CONCEPT PITCH PLAN, AND 2ND IN AUDIENCE CHOICE AWARD.

BME PhD Council - Social Chair

COORDINATE AND PLAN EVENTS FOR INCREASING COLLABORATION WITHIN DEPARTMENT.

2016 — 2017 | JHU

Alpha Kappa Psi - Class President

2012 — 2014 | UCSD

LED CLASS OF 16 INDIVIDUALS.

Academic Service

Neurolmage

REVIEWER

IEEE Engineering in Medicine and Biology

https://github.com/ncsl

LAB GIT MANAGER 2017 — Present

https://twitter.com/labsarma

LAB TWITTER MANAGER 2018 — Present