

ANMEI LITTLE

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EDUCATION

Yale University, New Haven, CT 2018-2022
Bachelor of Science in Biomedical Engineering (GPA Overall: 3.8/4.0)

University of Alicante, *CIEE Spanish Immersion Summer program in Alicante, Spain* Summer 2019

Pope John Paul II High School, Hendersonville, TN (4.0/4.0 GPA, 4.28/4.0 weighted) 2014 - 2018
Class Valedictorian, National Merit Finalist, National Honors Society President, Varsity Soccer Captain, Club Soccer Captain, Honor Council VP, School Ambassador, AP Scholar with Distinction, Scholar-Athlete Award, Class Math Award, Class Science Award, Mu Alpha Theta Secretary, National Art Honors Society VP

EXPERIENCE

Vanderbilt Undergraduate Summer Research Program, *Morgan Lab at the Vanderbilt University Institute of Imaging Science* June - August 2021
Investigated the role of network connectivity in a database of 250+ temporal lobe epilepsy patients and controls. Using MATLAB and Linux, combined functional MRI data with diffusion-weighted imaging, tractography, and brain segmentation to compute the low frequency fMRI signals in white matter. Results localize the spread of the epileptic zone, thus guiding surgical treatment.
Purdue University Graduate Showcase 2021 Poster Presenter and Honorable Mention (Division I)
Cerebral Cortex (In Press): Characterization of resting functional MRI activity alterations across epileptic foci and networks

DICOM Director, *Intern* Dec 2020 - Present
DICOM Director is the next generation of medical imaging, offering an augmented reality system for viewing MRIs and CT scans in 3D. Evaluate market segmentations and conduct competitive analysis to advise sales. Expand and improve company marketing assets, including slide decks and website pages. Produced a brand guide, company one-pager, and product workflow diagram. Continuously test portal and model-making functionality to provide feedback.

University Physics (PHYS180), *Grader* Aug 2021 - Present
Help organize the Yale undergraduate physics course sequence enrolling 250+ students. Grade weekly homework sets. Proctor and grade midterm and final exams.

Introduction to Medical Software, *Coursera Course Aide* April - Oct 2021
Edited lecture slides and 13 hours of lecture videos for an online Coursera course taught by Yale professor, Xenophon Papademetris. Created and lectured a vignette on the Therac-25 incidents and the impacts on current modern medical software development. 750 students enrolled in the course within the first week of publication.

Turk-Browne Lab at Yale University, *Research Assistant* Sept 2020 - May 2021
Collected intracranial EEG signals during deep brain stimulation in epilepsy patients at Yale New Haven Hospital. Analyzed effective brain connectivity and modeled resulting cortico-cortical evoked potentials using MATLAB, Linux, and Git.

SEAS Research Fellowship: Fan Lab at Yale University, *Undergraduate Student Researcher: Bioinformatics* May - Sept 2020
Spatially mapped scRNA-seq data, genes, and cell types over the course of embryogenesis using R. Applied novel computational pipelines developed in the lab to study neurulation. Identified the key players and gene patterns in brain and spinal cord development through bioinformatic analysis.

GoPeer, *Math / Spanish / Test Prep Tutor* June 2020 - Present

ACTIVITIES AND LEADERSHIP

Yale Scientific Magazine (YSM), *Writer, Artist, and Layout Editor* 2019 - Present
Interview experts, write articles, and illustrate concepts for the nation's oldest college scientific magazine. Delegate and review layout design for each publication. Master Adobe InDesign and train new designers on the software. Individually produced 4 articles, 17 art pieces, and 10+ spread layouts.

Yale Women's Competitive Club I Soccer Team (YWCS), *Captain* 2018 - Present
Coach and manage the student-run club soccer team that plays year-round. Plan practices, generate game and field schedules, coordinate traveling, track finances, communicate with leagues and other university opponents, and allocate playing time for games.

Biomedical Engineering Society (BMES), *Treasurer / Secretary (2020-21), Senior Advisor (2021-22), CBIT collaborator (2021)* 2020 - Present
Generated an itemized club funding application to receive and manage \$3000+ for the academic year. Delivered semi-annual budget reports for the society. Produced the club's first annual report to submit to the national BMES organization for funding opportunities. Executed additional projects, such as speaker panels, social events, and marketing materials. Co-founded and directed the first annual student-run Ivy league BMES virtual career fair.
- Served on the logistics committee of the Yale Center for Biomedical Innovation and Technology (CBIT) Annual Healthcare Hackathon. Created the 2021 hackathon booklet in Adobe InDesign to help participants navigate the event virtually. Promotional efforts recruited 575 participants and 228 new hackers from all over the world.

Yale Design for America (DFA), *Team Lead* 2019 - 2021
Directed a small team of students in a year-long human-centered design project tailored towards a specific local issue. In collaboration with the New Haven district director, we designed and launched the Marketplace New Haven website to promote 150+ small businesses in New Haven.

1000 Dreams Fund (IDF), *Student Advisory Board Member* 2018 - 2021
Mentored high school girls in STEM and evaluated scholarship applications for IDF microgrants. Promoted on-campus events and fundraising opportunities.

SKILLS

Languages: Intermediate Spanish
MATLAB***, R**, Linux**, Microsoft Excel**, Python*, Git*, SQL*,
SolidWorks, Adobe Creative Cloud (Photoshop, XD, Premier Pro, InDesign, Illustrator, Lightroom), Microsoft Office, ScanIP / Image Segmentation