**Daniel Hsu**

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**EDUCATION**

**University of Texas at Southwestern-** Doctor of Medicine 2018

GPA: 3.87

**Washington and Lee University-** Bachelor of Science in Biochemistry 2014

GPA: 3.91 (*Magna Cum Laude*)

**RESEARCH EXPERIENCES**

**UTSW Department of Emergency Medicine -** Advisor: Dr. Lynn Roppolo 06/2015-08/2015

* Participated in a small team that staffed the ED 24 hours a day to collect patient surveys in order to determine the effectiveness of the R2D2 discharge in improving patient outcomes and compliance
* Demonstrated a 14% increase of patients knowing their discharge diagnosis and an increase of 13% of patients understanding their discharge plan

**Washington and Lee Department of Biochemistry** - Advisor: Dr. Kyle Friend 09/2013-04/2014

* Worked with peers to discover a novel approach to isolate short introns effectively and in doing so identified hundreds of short introns conserved among multiple human cell lines

**UTSW Department of Nephrology** - Advisor: Dr. Robert Toto 07/2010-08/2010

* Worked with a team of researchers to isolate a biomarker via two stage liquid chromatography to predict clinical response to new drug designed to increase the lifespan of patients with end stage diabetic nephropathy

**PEER REVIEWED PUBLICATIONS**

Hernandez J, Corker J, Roppolo L, **Hsu D**, Jones K, Arthur DE, Hynan L. (2016) Evaluation of the R2D2 protocol: A Novel Method for Assessing Emergency Department Disposition for Residents. *AEM Education and Training.* 2017 Jan; 1(1):34-40. http://dx.doi.org/10.1002/aet2.10007

Friend K Ph.D, Abebrese E, Arnold Z, Mugayo D, Jarrell K, Luo Y, Crowder H, Raza Z, Armstrong K, Andrews V, Ali S, Burns L, Day T, **Hsu D**, Lee G Identification of human short introns. Buratti E, ed. *PLoS ONE*. 2017 May;12(5):e0175393. doi:10.1371/journal.pone.0175393.

**ABSTRACTS AND PRESENTATIONS**

Hernandez J, Corker J, Roppolo L, Jones K, **Hsu D**, Arthur DE, Hynan L. *The R2D2 Disposition Protocol: Improving Emergency Department Discharge Through a Simple Algorithm Designed for Residents in Training.* Poster session presented at: Council of Emergency Medicine Residency Directors Academic Assembly; 2016 Mar 6-9; Nashville, TN.

Hernandez J, Corker J, Roppolo L, Jones K, **Hsu D**, Arthur D.E, Hynan L. *The R2D2 Disposition Protocol: Improving Emergency Department Discharge Through a Simple Algorithm Designed for Residents in Training.* Poster session presented at: Society for Academic Emergency Medicine; 2016 May 10-13; New Orleans, LA.

Hernandez J, Corker J, Roppolo L, Jones K, **Hsu D**, Arthur D.E, Hynan L. *The R2D2 Disposition Protocol: Improving Emergency Department Discharge Through a Simple Algorithm Designed for Residents in Training.* Poster session presented at: UT Southwestern Healthcare Improvement Quality; 2016 Oct 18; Dallas, TX.

**HEALTH RELATED LEADERSHIP AND SERVICE**

**UTSW Emergency Medicine Interest Group,** *Co-President*  10/2014-Present

* Helped coordinate the first annual Texas Two Step on February 6, 2016 where 650 medical students from nine medical schools helped 4,250 Texans learn CPR across ten Texas cities
* Organized lectures, skills clinics, and community service events both on campus and at a national level
* Attended monthly teleconferences with the Texas College of Emergency Physicians
* Served as the First Year Rep for EMIG, then an officer, then co-president during MS4 year

**UTSW LGBTQ Mentorship Program,** *Founder*  03/2017-Present

* Recognized an unmet need for a confidential LGBTQ mentorship program for struggling students
* Pitched to and enlisted support from Office of Diversity of Inclusion and local LGBTQ resource centers
* By May 2017, recruited 50+ mentors at various levels of training across campus
* By June 2017, expanded the program from medical students to all graduate students at UTSW

**UTSW “United To Serve” Community Health Fair,** *Public Relations Committee* 09/2014-Present

* Designed an award-winning booth to attract members of the community to undergo vision screening
* Updated, redesigned, and translated educational posters and material
* Organized and trained other volunteers for staffing
* Served as a medical interpreter MS3 year to answer personal health regarding collected data
* Transitioned to Public Relations Committee for MS4 year

**Cacha Medical Spanish Institute,** *Intern* 07/2015

* In mornings, staffed the clinics and hospitals of Riobamba, Ecuador and participated in home visits to rural patients
* In afternoons, spent 10 hours a week learning medical Spanish through vigorous one on one lessons and a four-week home stay with native speakers

**AmeriCorp/Bonner Scholar,** *Vice-President of Health Impact Group* 09/2010-08/2012

* Participated in an intensive service-based scholarship and leadership program whose members work to transform the community by pledging to complete 900 hours of approved service within two years
* Organized a 5K run which raised over $1700 in donated funds to the Horn of Africa Drought in 2012

**Rockbridge Area Free Clinic,** *Grant Writer* 12/2010-03/2014

* Authored a grant submitted to Novo Nordisk for funding to adapt a novel diabetes program tested at the Richmond Fan Free Clinic aimed at controlling diabetic patients with A1c >9% for implementation at the Rockbridge Area Free Clinic
* Compiled and presented a statistical analysis of six years of raw data to the Executive Director of the clinic to assess the effectiveness of the clinic’s current management of diabetes
* Led a bi-monthly multidisciplinary diabetes specialty program offering filament testing, group exercise, nutritional education, and a1c testing

**Shepherd Poverty Program: Richmond Fan Free Clinic,** *Intern*  06/2011-08/2011

* Selected by interview from a seven school applicant pool for poverty immersion challenge
* Achieved the goal of subsisting on only $11 a week for food and transportation expenses while working 40 hours a week in clinic to simulate the difficulties of poverty

**Taipei Veterans General Hospital,** *ER Intern* 06/2013-08/2013

* Attended weekly departmental grand rounds
* Gave an oral presentation regarding cultural differences between Taiwan and the United States
* Shadowed interns, residents, and attendings in the largest ER in Taiwan

**UTSW Community Outreach Sports Physicals,** *Volunteer* 08/2015

* Participated in a weekend event to offer free sports physicals to school aged children in the community

**Medical Center of Plano,** *ED Intern* 06/2012-08/2012

* Volunteered to staff medical supplies and assist in communication between patients to providers

**Lake Pointe Medical Center,** *ICU Intern* 06/2012-08/2012

* Assisted in basic patient care and equipment sanitization in the cardiac catheter lab and ICU

**TEACHING AND OTHER LEADERSHIP**

**UTSW Education IT Committee,** *Elected Representative* 08/2016-Present

* Elected representative to act as a liason between the Class of 2018 and the Education IT Committee

**The Waterton Group**, *ACT/SAT Prep Tutor* 08/2015-Present

* Provided one-on-one ACT/SAT preparation under Dallas’s premier boutique test prep firm
* Coached 4-5 students 10 hours a week with personalized strategies to maximize test taking potential

**UTSW Note-o-Chord,** *Co-Founder* 09/2014-Present

* Co-founder of an organization at UTSW dedicated to the ensemble performance
* Started a piano trio and a string quartet on campus that performed at school and private events
* Expanded to create UTSW’s first orchestra

**UTSW Lymph Notes Acapella Group,** *Member* 09/2014-Present

* Auditioned among students to become a member of UT Southwestern’s premier acapella group that performs at events across campus including faculty dinners, admissions events, and fundraisers

**UTSW Dartos Soccer Club,** *Captain*  09/2014-12/2016

* Captain of a team of graduate PhD, MD, PA, and PT students that compete in Division 1 of the North Texas Premier Soccer Association with tryouts held annually at the beginning of each year

**Washington and Lee Peer Tutor Program,** *Manager and Tutor*09/2013-05/2014

* Trained, supervised, and matched over 100 mentors with students needing academic support
* Created and maintained a daily updated database to match over 200 tutor requests a semester
* Developed and distributed follow-up surveys to assess for areas of improvement

**Rockbridge Area Recreational Organization,** *Team Coach* 08/2012-04/2014

* Organized practices, attendance, and coached a youth coed soccer team

**Beta Beta Beta Biological Honor Society,** *President*  9/2010-04/2014

* Coordinated Jane Goodall and other guest lecturers and events dedicated towards increasing scientific presence on campus

**Pan Asian Association for Cultural Exchange,** *President*  09/2010-04/2012

* One of largest and most active cultural organizations on campus with over 100 members and $5,000 annual budget
* Annually organized and coordinated groups of students to participate East Coast Asian American Student Union conference
* Fundraised for All Girls Allowed—an organization dedicated to preventing female infanticide in China

**Nabor’s Service League,** *Co-Issues and Awareness Chair* 09/2011-04/2012

* Organized a homelessness event where students endure the elements overnight in cardboard to appreciate hardship of poverty
* Created events and invited speakers to campus to speak about human and civil rights issues

**Residential Life Staff: Upper Division,**  *International House Resident Advisor* 09/2011-04/2012

* Allocated and fundraised $1500 towards events from cultural conferences in New York to overnight camping and white water rafting trips in West Virginia
* Fostered fourteen students from ten different countries living in a traditionally segregated house into a community

**Campus Kitchens,** *Leadership Staff* 09/2011-06/2012

* Managed two volunteer shifts per week that delivered ~60 meals a week to children in underfunded schools and to impoverished families

**HONORS AND AWARDS**

**Most Popular Booth at United to Serve,** UT Southwestern 03/2015

* Awarded for transforming the vision booth into the most attended booth at United To Serve

**Johnson Scholarship Recipient 2010-2014,** Washington and Lee University 2010-2014

* Awarded annually to one sophomore for demonstrating outstanding leadership potential

**University-Shenandoah Orchestra Award,** Washington and Lee University 05/2014

* Awarded for the soloist performance of *Shostakovich Cello Concerto No. 1 in E-flat major, Opus 107*

**Johnson Opportunity Grant,** Washington and Lee University 04/2013

* Awarded $1500 for expenses to intern in the ED at the Taipei Veterans General Hospital

**Omicron Delta Kappa Rupert Nelson Latture Award,** Washington and Lee University 04/2012

* Awarded annually to one sophomore for demonstrating outstanding leadership potential

**AmeriCorp Educational Grant Recipient,** Washington and Lee University 06/2012

* Awarded $2800 in educational expenses for completing 900 hours of approved volunteering

**Celebrating Student Success: Student of the Month,** Washington and Lee University11/2011

* Awarded for unrecognized contributions to the student body

**Beach Volleyball**  06/2010-Present

* Champagne Volleyball Budlight Tournament 2017 Doubles Men’s Champion
* Sports Garden Summer 2016 4v4 King of the Beach Champion

**INTERESTS AND HOBBIES**

Volleyball, spinning, soccer, rock climbing, cello, bagpiping, snowboarding, skiing, weightlifting, acapella, escape rooms, board games, tech repair

**PROFESSIONAL MEMBERSHIPS**

* American Medical Association
* Emergency Medicine Residents’ Association
* American Academy of Family Physicians
* American College of Emergency Physicians
* Texas College of Emergency Physicians
* American Society of Anesthesiologists
* Texas Medical Association