

BEN MARGINES

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EDUCATION

David Geffen School of Medicine at UCLA, Los Angeles, CA
Medical Doctorate, expected May 2020

Carnegie Mellon University, Pittsburgh, PA
Master of Human-Computer Interaction, August 2013

Yale University, New Haven, CT
Bachelor of Arts in Cognitive Science, May 2010

RESEARCH

Clinical Research Coordinator **August 2015 - July 2016**
Cornea Genetic Eye Institute **Los Angeles, CA**

Designed and conducted research related to the diagnosis and treatment of keratoconus and keratoconjunctivitis sicca with Ron Gaster, M.D. and Yaron Rabinowitz, M.D.

- Published research on the efficacy of a new method for corneal de-epithelialization which is equally effective to the current method for corneal collagen crosslinking
- Contributed to a published research review on the current status of knowledge on the genetics of keratoconus
- Conducted a study on the efficacy of intense pulsed light therapy for keratoconjunctivitis sicca

Student Researcher **February 2013 - September 2013**
Ubicomp Lab **Pittsburgh, PA**

Master's student researcher under Anind Dey and Jin-Hyuk Hong. Conducted research on applications of machine learning algorithms on driver aggression and driver training

- Published research on a novel algorithm using inexpensive sensors to detect driver aggression
- Research presented at the 2014 Conference on Computer-Human Interaction
- Conducted a study on the ability of these sensors to detect new driver training

Project Manager **Jan. 2013 - Aug. 2013**
Radiology Information System Redesign for GE Healthcare **Pittsburgh, PA**

Developed a radiology product for GE Healthcare to increase workflow intuitiveness and information presentation

- Delivered a functional software prototype based on findings from user research
- Led an interdisciplinary research and design team to ideate, prototype and develop a software solution
- Performed a heuristic evaluation of an existing GE Healthcare product
- Orchestrated contextual inquiries with radiologists and other stakeholders

PUBLICATIONS

Bykhovskaya Y, **Margins B**, Rabinowitz Y. *Genetics in Keratoconus: where are we?* Eye and Vision. 2016;3(1). doi:10.1186/s40662-016-0047-5.

Gaster R, **Margins B**, Gaster D, Li X, Rabinowitz Y. *Comparison of the Effect of Epithelial Removal by Transepithelial Phototherapeutic Keratectomy or Manual Debridement on Cross-linking Procedures for Progressive Keratoconus.* Journal of Refractive Surgery. 2016;32(10):699-704. doi:10.3928/1081597x-20160712-01.

Hong, J.H., **Margins, J.B.**, and Dey, A.K. 2014. *A Smartphone-based Sensing Platform to Model Aggressive Driving Behaviors.* In Proceedings of the 2014 CHI Conference on Human Factors in Computing Systems. ACM Press, New York, NY. DOI:http://dx.doi.org/10.1145/2556288.2557321

Margins, J.B., Gupta, R., Chisik, Y. 2013. *Ball of Secrets.* In Proceedings of the 2013 ACE International Conference on Advances in Computer Entertainment Technology, Boekelo, Netherlands. ACM Press, New York, NY.

ACCOLADES

\$10,000 Merit-Based Scholarship Award Recipient, UCLA
Student Design Competition Finalist, CHI Conference
Startup-Chile Winner -\$40K Funding Recipient
Sudler Fund for the Performing and Creative Arts Grant

Los Angeles, CA 2016
Paris, France, 2013
Chicago, IL, 2011
New Haven, CT, 2009

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More information can be found at benmargins.com

COMMUNITY SERVICE

Crew Chief Emergency Medical Technician **August 2014 - Present**
Marple Township Ambulance Corps **Broomall, PA**

Provided basic life support and advanced life support for medical and trauma patients in Delaware County, PA

- Treated several patients with advanced cardiac and respiratory diseases
- Gained experience in treating patients with acute psychiatric distress

Ophthalmology Volunteer **May 2014**
Mission Natuvu Creek **Buca Bay, Fiji**

Triaged and performed eye examinations on hundreds of Fijian patients; strategized with ophthalmologists to improve local eyesight given limited resources

- Performed initial interviews and examined patients for intraocular pressure, keratometry, and with the ophthalmoscope
- Investigated and repaired donated machinery, an IOL Master and a YAG laser, the latter of which was utilized for three additional surgeries
- Witnessed the acute effects of elusive medicine and the degree to which rural medicine can improve lives

Ophthalmology Volunteer **Jan. 2014 - May 2014**
La Amistad Mobile Vision Clinic **Santa Ana, CA**

Shadowed and volunteered with a local ophthalmologist; aided with patient intake, examination, and English-Spanish translation

- Gained significant exposure to advanced pathophysiology
- Translated medical information on glaucoma from English into Spanish for waiting patients

Volunteer Emergency Medical Technician **Jan. 2008 - Jun. 2008**
Stratford Volunteer EMS Association **Stratford, CT**

Volunteered nights and weekends responding to emergency calls in and around Stratford, CT

- Made split-second decisions to respond to medical and traumatic emergencies

Emergency Medical Technician **May 2007 - Aug. 2007**
Pacific Ambulance **Lake Forest, CA**

Transported patients to various facilities on non-emergency calls

- Responsible for transporting patients of all ages at all hours of the day to hospitals, dialysis centers, and skilled nursing facilities

EMPLOYMENT

Community Product Manager **Jan. 2012 - Aug. 2012**
BoostCTR **San Francisco, CA**

Designed an engaging and intuitive user interface for a community of Creative Ad Developers. Community drove client search marketing performance by 30%

- Wireframed and prototyped an intuitive and simple UI based upon user research and core product features
- Crafted quantitative metrics on which to evaluate Creatives' performance and determine compensation for qualitative work
- Managed supply-side operations by coordinating over 1,000 Creatives

Senior Research Analyst **Jul. 2010 - Jan. 2012**
The Nielsen Company **Chicago, IL**

Developed quantitative and qualitative analytics and recommendations for CPG companies to guide new product launches

- Led analytics team; recommended key strategic marketing changes based on analysis of consumer surveys and focus group data
- Created a national new-hire mentoring program to reduce onboarding time and increase employee satisfaction; achieved 100% regional participation

INTERESTS

Overnight Hiking, Climbing Mountains
Large-Format Photography
Juggling