



MICHAEL GARCIA

DEVELOPERSURGEON



ABOUT ME

I am currently a General Surgery Resident at NYU Langone in Long Island. In the past, I have worked as a freelance web designer & developer and IT consultant, as well as a research technician in a cardiovascular research lab at Massachusetts General Hospital. I have a wide range of experiences and enjoy solving both medical and technological challenges.

Fluent in conversational Spanish.

CONTACT

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FOLLOW ME

Google My Business:
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Instagram:
instagram.com/code44technology

EXPERIENCE

- Owner** 2020
CODE 44 LLC
Website Design & Development. IT Consulting. Marketing, Branding & SEO. Server Management.
- Research Technician II** 2013 - 2015
PARTNERS HEALTHCARE
Massachusetts General Hospital
Cardiovascular Surgery Research
- IT Consultant** 2011 - 2019
FREELANCE
Server / Colocation Installation & Management. VoIP installation & Management.
- Web Developer** 2010 - 2019
FREELANCE
Website Design & Development. Graphic Design.

EDUCATION

- University of Central Florida**
College of Medicine
DOCTOR OF MEDICINE
FIRE Project: Critical assessment of pediatric neurosurgery patient/parent educational information obtained via the Internet. J Neurosurg Pediatr.
- Boston University**
School of Medicine
MASTER OF ARTS MEDICAL SCIENCES [MAMS]
Thesis: The Efficacy of Use of Transcranial Direct Current Stimulation in the Treatment of Neurological Disease & Defect.
- Jacksonville University**
Undergraduate
POST-BACCALAUREATE
Biology
Dean's List
- Vanderbilt University**
Undergraduate
BACHELOR OF ARTS
Major: Neuroscience
Minor: Spanish & Art History
Student-Athlete: Division 1A Football (4L)

LATEST WORK

- FAMWELL MD** famwellmd.com
- RIVER CITY OBGYN** rcobgyn.com
- ELIO MENDEZ** eliomendez.com
- TJPS CONSULTING** tjpsconsulting.com
- FINGER, NELSON & MAGUIRE** flenvlaw.com

SKILLS

- WORDPRESS**
- PHOTOSHOP**
- ILLUSTRATOR**
- HTML 5**
- PHP**

WORK EXPERIENCE

Partners Healthcare – Massachusetts General Hospital (Boston, MA)

Research Technician II (June 2013 - June 2015)

Cardiovascular Surgery Research Lab (Dr. Robert Levine & Dr. Judy Hung)

The laboratory studies mechanisms of heart failure induced by valve disease, using large-animal models studied with ultrasound, MRI, and basic molecular and cellular techniques to address questions motivated by clinical experience.

Duties included maintaining the lab, ordering supplies, preparing and assisting in surgeries, recording physiological data, monitoring health and administering treatments of research animals, and assisting with multi-protocol submissions for renewal and amendment.

RESEARCH EXPERIENCE

FIRE Research Requirement – UCF College of Medicine

Medical Student (December 2015 – February 2017)

UCF College of Medicine & Nemours Children's Hospital (Division of Pediatric Neurosurgery)

Determining the quality of online medical education and information resources for common Pediatric neurosurgery topics.

Research Mentor: Todd A. Maugans M.D.

Master of Arts Thesis Requirement – Boston University School of Medicine

Graduate Student (April 2012 - May 2013)

Boston University School of Medicine (Department of Anatomy & Neurobiology)

Literature review of relevant studies to determine the efficacy of Transcranial Direct Current Stimulation as neurological treatment.

Research Mentor: R. Jarrett Rushmore III Ph.D.

Undergraduate Neuroscience Research – Vanderbilt University

Undergraduate Research Assistant (August 2008 - May 2010)

Vanderbilt University (Department of Hearing and Speech Sciences)

Mapping & recording of physiological properties of neurons in primary auditory cortex of the macaque monkey.

Research Mentor: Troy A. Hackett Ph.D.

PUBLICATIONS

Garcia M, Daugherty C, Ben Khallouq B, Maugans T. Critical assessment of pediatric neurosurgery patient/parent educational information obtained via the Internet. *J Neurosurg Pediatr.* 2018 May; 21(5):535-541. doi: 10.3171/2017.10.PEDS17177.

Bartko PE, Dal-Bianco JP, Guerrero JL, Beaudoin J, Szymanski C, Kim DH, Seybolt MM, Handschumacher MD, Sullivan S, Garcia M, Titus JS, Wylie-Sears J, Irvin WS, Messas E, Hagège AA, Carpentier A, Aikawa E, Bischoff J, Levine RA; Leducq Transatlantic Mitral Network. Effect of Losartan on Mitral Valve Changes After Myocardial Infarction. *J Am Coll Cardiol.* 2017 Sep 5;70(10):1232-1244. doi: 10.1016/j.jacc.2017.07.734.

Bischoff J, Casanovas G, Wylie-Sears J, Kim DH, Bartko PE, Guerrero JL, Dal-Bianco JP, Beaudoin J, Garcia M, Sullivan SM, Seybolt MM, Morris BA, Keegan J, Irvin WS, Aikawa E, Levine RA. CD45 Expression in Mitral Valve Endothelial Cells After Myocardial Infarction. *Circ Res.* 2016 Nov 11;119(11):1215-1225. doi: 10.1161/CIRCRESAHA.116.309598.

Dal-Bianco JP, Aikawa E, Bischoff J, Guerrero JL, Hjortnaes J, Beaudoin J, Szymanski C, Bartko PE, Seybolt MM, Handschumacher MD, Sullivan S, Garcia M, Mauskopf A, Titus JS, Wylie-Sears J, Irvin WS, Chaput M, Messas E, Hagège AA, Carpentier A, Levine RA. Myocardial Infarction Alters Adaptation of the Tethered Mitral Valve. *J Am Coll Cardiol.* 2016;67(3):275-287. doi:10.1016/j.jacc.2015.10.092.

Kataoka A, Zeng X, Garcia M, Seybolt MM, Sullivan S, Guerrero JL, Muriuki M, Kozak A, Braithwaite G, Handschumacher MD, Levine RA, Hung J. Development and Application of Polymer-Matrix Device to Remodel Left Ventricular - Mitral Valve Apparatus in Ischemic Mitral Regurgitation. *J Am Coll Cardiol.* 2014;63(12_S). doi:10.1016/S0735-1097(14)61996-3.

Garcia M. The Efficacy of Use of Transcranial Direct Current Stimulation in the Treatment of Neurological Disease & Defect [master's thesis]. Boston, MA: Boston University School of Medicine; 2013. <http://hdl.handle.net/2144/12106>. 2015-08-04T15:38:37Z.

PRESENTATIONS

Garcia M, Daugherty C, Maugans T. How CRAAPy is the internet as a Pediatric Neurosurgery Patient Education Resource? Poster presented at University of Central Florida College of Medicine FIRE Mini-Conference, February 23, 2017.

Kataoka A, Zeng X, Garcia M, Seybolt MM, Sullivan S, Guerrero JL, Muriuki M, Kozak A, Braithwaite G, Handschumacher MD, Levine RA, Hung J. Improved LV Remodeling and Persistent MR Reduction Following Chronic Polymer-Mesh Device Attachment on Infarcted Myocardium in a Chronic Ischemic MR Model. Poster presented at American Heart Association Scientific Sessions. Chicago, IL, November 2014.

Camalier CR, de la Mothe LA, Voyles AC, Garcia M, Lim S, and Hackett TA. Fast-spiking and regular-spiking neurons in A1 of the awake macaque: Laminar variability and response latencies. Poster presented at the Tucker-Davis Symposium on Advances and Perspectives in Auditory Neurophysiology. San Diego, CA, November 2010.

