



MICHAEL GARCIA

DEVELOPER SURGEON



ABOUT ME

Hello, I am a first-year General Surgery Resident [PGY1] at FSU College of Medicine, working at Tallahassee Memorial Hospital. 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 Mass. General Hospital. I have a wide range of experiences and enjoy solving both medical and technological challenges.

Fluent in conversational Spanish.

CONTACT

Business:

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Website:

code44.technology

FOLLOW ME

Google My Business:

g.page/code44

Facebook:

facebook.com/code44technology

LinkedIn:

linkedin.com/in/michael-garcia-code44

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
2015 - 2020

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
2011 - 2013

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
2010 - 2011

POST-BACCALAUREATE

Biology
Dean's List 2010 - 2011

Vanderbilt University

Undergraduate
2006 - 2010

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.

