

Brittany Bautista Carrus
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EDUCATION

University of Kentucky College of Medicine (UKCOM) August 2018 - Present
Lexington, KY
Candidate for Doctor of Medicine, Class of 2022

- Scholarly Concentration in Global Health

Massachusetts Institute of Technology (MIT) August 2013 - June 2017
Cambridge, MA
Bachelor of Science in Mechanical Engineering

EMPLOYMENT EXPERIENCE

Kuchnir Dermatology and Dermatologic Surgery June 2017 - June 2018
Doctor Assistant

- Scrubbed into and assisted with over one hundred Mohs surgery procedures.
- Interviewed patients and scribed for multiple physicians.
- Coordinated care for surgical and non-surgical patients.

SERVICE AND LEADERSHIP

UKCOM Salvation Army Clinic February 2020 - Present
Consultant

- Served as consultant for current technology officers for improvements in electronic health record.

Technology Officer February 2019 - February 2020

- Planned and implemented transition from a paper to an open-source electronic health record.
- Coordinated technology hardware updates within the clinic.
- Maintained the official clinic website.

Interviewer May 2019 - August 2019

- Interviewed and counseled clinic patients.
- Documented patient encounters.

UKCOM MOMS (Medstudents Offer Maternal Support) Program

Organizer

June 2020 - Present

- Facilitated pairing of “student doulas” with pregnant patients at UK.
- Collaborated with UK Obstetrics/Gynecology physicians to disseminate program information to patients and students.

Student Doula

September 2019 - May 2020

- Served as “student doula” for a patient throughout her pregnancy.
- Attended all prenatal appointments and assisted the patient in interpreting information.
- Served as a source of information on pregnancy, delivery, and UK facilities/policies for the patient.
- Implemented comfort techniques (i.e. massage) for the patient while the patient was in labor.
- Provided emotional support to the patient throughout pregnancy, delivery, and after.

UK HealthCare COVID-19 Vaccination Clinic

March 2021

Immunizer

- Administered COVID vaccines to eligible Kentucky residents.

UKCOM OB/GYN Interest Group

March 2019 - March 2020

Vice President

- Planned informational meetings on various topics in OB/GYN.
- Coordinated with physicians and other interest groups to provide meeting content.

The Perry Initiative - Perry Outreach Program

May 18, 2019

Presenter and Volunteer

- Presented to high school girls about engineering as well as its connection to medicine.
- Demonstrated and assisted students in performing mock orthopaedic surgeries on sawbones models.

MIT D-Lab - Botswana

Trip Leader

January 2018

- Led a group of undergraduate students on international trip to Botswana, Africa.
- Facilitated collaboration between students and local community members.
- Advised students on sustainable design in a developing world setting.

Design Facilitator and Field Researcher

June 2016 - July 2016

- Facilitated collaboration between international volunteers from 9 different countries and local community members.
- Taught design principles and fabrication skills to local community members.
- Collaborated with local community members to identify potential opportunities for grassroots entrepreneurship.

RESEARCH EXPERIENCE AND PUBLICATIONS

UK Orthopaedic Surgery

August 2019 - March 2021

3D-Printed Tibia Models - Mary Lloyd Ireland, MD

- Designed and implemented a research study to prove that 3D-printed tibia models can better replicate the tactile sensation of real bone than commercially-available Sawbones™ models.
- Findings will be utilized for future project proposals to create surgical simulators that enable wider access to quality orthopedic surgery training.
- Presented poster at AOA Groves Memorial Student Research Symposium.

UK Nephrology

September 2018 - May 2019

- Castellanos AL, Valladares E, Strup S, **Bautista B**, Bendeck S, Gedaly R. Planting a seed: Joining efforts to establish a successful, self-sustained kidney transplant program in Honduras. Clin Nephrol. 2020 Aug;94(2):103-104. doi: 10.5414/CN110118. PMID: 32631483.

MIT Department of Mechanical Engineering

September 2016 - December 2016

- **Bautista BN**, Lankenau GFD, Guitron SP, et al. Design of an Integrated Cotton Picking System for Small-Scale Indian Agriculture. *Proceedings of the ASME 2017 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. August 2017. doi:10.1115/DETC2017-68132.

AWARDS AND SCHOLARSHIPS

UKCOM Outstanding First-Year Performance Award

University of Kentucky HealthCare Scholarship

CERTIFICATIONS

IHI Open School - Basic Certificate in Quality and Safety

PERSONAL INTERESTS

DIY Projects

Hiking

Yoga

Plant Based Cooking