Joseph Policarpio

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LinkedIn Profile

EDUCATION

Carle Illinois College of Medicine, Champaign, IL
Fourth-year medical student, *anticipated graduation May 2023*

Mills College, Oakland, CA
Post-baccalaureate Pre-medical Certificate, *May 2018*

University of California, Davis, CA
Bachelor of Science, Biological Systems Engineering, *June 2011*

ELECTIVE COURSEWORK

Carle Illinois College of Medicine:	Adult Intensive Care	(06/07/2021 - 07/04/2021)
	Surgical Pathophysiology	(07/05/2021 - 08/01/2021)
	Neurosurgery I	(03/14/2022 - 03/27/2022)
	Vascular Surgery	(04/11/2022 - 05/08/2022)
Baylor College of Medicine:	Cardiothoracic Surgery	(05/23/2022 - 06/17/2022)
Harvard Medical School:	Thoracic Surgery	(08/01/2022 - 08/26/2022)
Yale School of Medicine:	Cardiac Surgery	(planned 11/07/2022 - 12/02/2022)

EMPLOYMENT

Carle Illinois College of Medicine, Champaign, Il   *April 2020 – Present*
Peer Tutor
- All courses and clerkships completed
- By appointment

Mills College, Oakland, CA   *August 2017 – May 2018*
Teaching Assistant
- CHEM 107 & CHEM 108 – Organic Chemistry
- BIOC 110 – Biochemistry
- BIO 153 – Human Physiology
- BIO 034N – Human Physiology for Nurses

Peer Tutor at the Office of Learning, Advising, and Balance
- Individual tutoring by appointment in all courses above, plus Physics series

Alcon Laboratories, Inc., Lake Forest, CA   *June 2012 – August 2016*
Territory Manager II
- Field service territory included San Francisco Bay Area to Reno, NV
- Repaired and maintained of over 250 pieces of surgical equipment including
  - Alcon Infiniti, Alcon Centurion, Alcon Accurus, Alcon Constellation, Luxor LX3, Wavelight Allegretto, Wavelight EX500

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Phoenix Research Laboratories, Pleasanton, CA   *May 2011 – June 2012*
    Manufacturing Engineer
- Installed and in-serviced on Micron II and Micron III retinal imaging microscope
  - included OCT, photocoagulating laser, focal & Ganzfeld ERG, slit lamp
- Led shipping/receiving, animal husbandry, technical service, manufacturing processes

Caffe Italia Restaurant, Davis, CA   *July 2007 – March 2011*
- Employee Trainer, Senior Server, and Lead Employee for off-site catering
- 20-30 hours per week during undergraduate studies

DeVino's Pizza & Pasta, Pleasant Hill, CA   *May 2003 – July 2007*
- Nights and weekends during high school
- Promoted five times and resigned as supervisor

PUBLICATIONS & POSTERS

Policarpio, J. A., Derrick, M. J., & Mehta, S. S. (In Press). Anomalous Right Coronary Artery from the Pulmonary Artery: An Institutional Report. *JTCVS Techniques*.

Policarpio, J., Pro, L., Gersh, B., & Saif, T. (2022, April 8). *docAssIst: The Doctor's Artificial Assistant* [Poster presentation]. 20th Annual Health Innovation Research Day, Carle Illinois College of Medicine, Champaign, IL.

Hojati, A., Policarpio, J., Wheeler, M., & Rowitz, B. (2022, April 8). *Burst Pressure Characterization of Bowel Perforation Repair in Ex-Vivo Animal Model* [Poster presentation]. 20th Annual Health Innovation Research Day, Carle Illinois College of Medicine, Champaign, IL.

MacInnis, B., Policarpio, J., & Wallon, R. (2022, March 25). *Rethinking Anki: An Innovative Gamification Add-on* [Virtual presentation]. Carle Illinois College of Medicine Curriculum Retreat, virtual.

Valasapalli, S., Sathe, S., Policarpio, J. A., & Mantha, S. (2021). A Rare Case of Quadruple Negative GIST with an Unusual Presentation in a Young Female, Report of a Case. *Journal of Oncology Research Review & Reports. SRC/JONRR-163. J Oncol Res Rev Rep*.

MacInnis, B., Policarpio, J., & Wallon, R. (2021, October 28-29). *Rethinking Anki: An Innovative Gamification Add-on* [Virtual poster]. Virtual 5th Annual Medical Education Learning Specialists (MELS) Meeting.

Policarpio, J., MacInnis, B., & Wallon, R. (2021, June 12-17). *Augmenting Anki: Gamification of Software to Promote Retrieval Practice with Spaced Repetition* [Virtual poster]. Virtual 25th Annual International Association of Medical Science Educators (IAMSE) Conference.

Policarpio, J., MacInnis, B., & Wallon, R. (2021, April 16). *Augmenting Anki: Gamification of Software to Promote Retrieval Practice with Spaced Repetition* [Virtual presentation]. 19th Annual Health Innovation Research Day, Carle Illinois College of Medicine, virtual.

Hojati, A., Policarpio, J., Wheeler, M., & Rowitz, B. (2021, April 16). *Ex-vivo animal testing of small burst pressure and state of the art repair of bowel perforation* [Virtual presentation]. 19th Annual Health Innovation Research Day, Carle Illinois College of Medicine, virtual.

Panigrahy, N., Policarpio, J., & Ramanathan, R. (2020). Multisystem inflammatory syndrome in children and SARS-CoV-2: A scoping review. *Journal of pediatric rehabilitation medicine*, *13*(3), 301-316.

Policarpio, J., Van Orman, C., Few, N., & Zhu, R. (2020, March 6). *Scaling, Standardization, and Normalization of Inter-Reviewer Scoring of Medical School Applications* [Poster presentation]. 18th Annual College of Medicine Research Day Symposium, Champaign, IL.

Policarpio, J. A., Mehta, S. S., & Derrick, M. J. (2020, March 6). *Anomalous Right Coronary Artery from the Pulmonary Artery: An Institutional Report* [Poster presentation]. 18th Annual College of Medicine Research Day Symposium, University of Illinois at Urbana-Champaign, IL.

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PROJECTS

Anki with Friends software [add-on to the Anki flashcard software](#)
- Coded client and server software in Python
- Maintenance of remote server with 24-hour uptime
- Coded website in HTML, CSS, and Markdown: https://ankiwithfriends.com/
- Led a non-clinical IRB-exempt research study

Medical Student Roles in Bridging Gaps in Primary Care
- Leading a team of 8 students in a clinical IRB-exempt survey-based research study, now recruiting

Innovation Pathway grant recipient, Carle Illinois College of Medicine
- $2800 grant with one other student
- Literature review manuscript and ex-vivo lab study manuscript submitted on repair of bowel perforation

GitHub open-source contributor
- 15 repositories with over 300 contributions in the last year: https://github.com/jopeo?tab=repositories

docAssIsst: The Doctor's Artificial Assistant
- Coded in Python using Google's *medical conversation model* Speech-to-Text API
- Software prototype produces a hypothesized speaker-diarized transcript and abstractive summarization

CREDENTIALS & AWARDS

The President's Volunteer Service Award	*Jan 2018*
Federal Aviation Administration (FAA) Unmanned Aircraft Systems (UAS) Pilot	*Jan 2018*
United States Patent and Trademark Office (USPTO) Registered Patent Agent	*Sep 2018*
Carle Illinois College of Medicine Admissions Committee member	*AY2019-2020*
19th Annual Health Innovation Research Day Program Committee member	*AY2020-2021*
Pecha Kucha Electives Category Winner	*July 2020*
Collaborative Institutional Training Initiative (CITI Program) Core IRB Training	*Dec 2020*
Academic Excellence Award, Carle Illinois College of Medicine	*Aug 2021*
United States Center for SafeSport Training	*Feb 2022*
1st Place in Innovation in Industry, 20th Annual Health Innovation Research Day	*April 2022*

SKILLS & INTERESTS

Equipment: DaVinci surgical robot, StrykeCam, 1588, 1688, Medtronic StealthStation, Ethicon TX, GIA, EEA, and curved cutter staplers, Zimmer Pulsavac, Covidien skin stapler, Dermabond Prineo, Prevena incision management, V.A.C. wound vac

Software: Epic EHR system (over 400 smart phrases), Stryker iSuite, Microsoft Office (Word, Excel, PowerPoint), Google Cloud APIs, Audacity audio recording and editing software, OBS video recording and broadcasting software

Programming Languages *(in order of proficiency)*: Python, R, JSON, Git (version control software), Linux Bash (Unix shell), SSL for remote server management, VBA for MS Excel Macros, HTML, CSS, XML, JavaScript

781-day streak on Duolingo, a free phone app for learning languages

Spanish, Mandarin, Italian

Pick-up Ice Hockey player

> 15 years experience