

# Tara M. Pattilachan

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## Education

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- University of Central Florida**, Orlando, FL August 2019–June 2023 (Expected)
- Bachelor of Sciences (B.S.) in Biomedical Sciences (Neuroscience) and Computer Science
  - Awards and Honors: NCWIT Change Lead Scholar, NCWIT-Bloomberg GHC Grant, Kode with Klossy Scholar, AARP Freelance Fellowship - NLGJA Convention
- Steinbrenner High School**, Tampa, FL August 2015 –June 2019
- High School Diploma, GPA 9.04, Valedictorian with Honors
  - Awards and Honors: Ranked Top 25 Nationally in Brain Bee, Conrad Spirit of Innovation Challenge Semi-finalist, Scholastic Art and Writing Silver Key, PTA Reflections Award of Excellence in Literature, multiple writing publications, NYAS Young Member, HerLead Fellowship Finalist, National AP Scholar

## Experience

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- StartUp Health**, Journalism Fellow May 2020–August 2020
- I help manage interviews and webinars with CEOs of health startups, write blog posts and notes, utilize and caption social media promotions using SEO, and learn to work with podcasts. Being in the health startup space also requires me to be up-to-date with health, business, and science trends, especially in the context of COVID-19.
- Northwestern Feinberg Medicine’s Machine and Hybrid Intelligence Lab (formerly at UCF CRCV)**, Research Assistant October 2019–Present
- Used and tested weakly-supervised deep learning (GRAD-CAM) methods for detecting IPMNs in the pancreas.
- Huffington Post**, Science News Contributor April 2016–December 2019
- Involved in writing articles about discoveries and new research developments in the science and technology fields, though mainly in their 'The Brain' subsection.
- Conductive Education Center of Orlando**, Intern January 2020–Present
- As an intern at CECO, I work with and teach kids and adults that have neurodevelopmental disorders and motor disabilities such as Cerebral Palsy, Spina Bifida, Parkinson’s and others.
- Verapy Therapy**, Intern January 2019–March 2019
- Briefly interned under Verapy Therapy LLC based in downtown Tampa to learn about virtual therapy in a therapeutic setting, its benefits in physical recovery in patients, and also learn how startups aim at the market, brainstorm, among other aspects.
- Other personal projects: neurologic-usa.com (youtube channel: neuralnetworkr)**

## Publications

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- Huffington Post Science**
- The Link Between Autism, Baby Teeth, and Lead Levels - (June 2, 2017)
  - How Marijuana Can (Potentially) Help Fight Against Alzheimer’s - (June 30, 2016)
  - Where The Brain And Panoramic Memory Meet - (September 12, 2016)
- IYNA Journal**
- Neuropharmacology of Psychosis - (Jan 10, 2017)
- VRScout**
- How AI and Haptics Could Revolutionize VR - (Sept 23, 2019)
- Teen Vogue**
- My Imposter Syndrome Improved After I Got Comfortable With Failure - (Jan 15, 2020)
- StartUp Health - Medium**

- Treatment Before Vaccine: How These Two Medical Scientists Hope to Buy Time for COVID-19 Patients - (June 16, 2020)
- Doctor.com launches VirtualVisit, a Free Telemed Platform Backed by Their Big Data Infrastructure - (June 16, 2020)

## Notable Speaking Engagements

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<b>Speaker at TEDxCocoaBeach</b>	March 2019
- Spoke about The Future Revolution of Cultural and Social Experiences, covering the influence of VR/AR, AI and the use of neuroscience in these fields for a very revolutionary (and imminent) future.	
<b>Interviewed by Broward County podcast, Living Podcariously</b>	March 2019
<b>Steinbrenner High School Graduation Ceremony Speech</b>	June 2019

## Skills

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### Programming Languages

- MATLAB, Java, Python, C++, HTML/CSS/JavaScript, Figma (design), TensorFlow Deep Learning, PyTorch (beginner)

### Languages

- English (Native), Malayalam (Native), Spanish (intermediate), Hindi (Beginner)

### Interests

- Science communication, entrepreneurship, journalism, digital health, public policy initiatives and the pursuit of equity in healthcare