



CONTACT

- **Address:**
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SKILLS

- ML: Pytorch, TensorFlow
- Swift, Python, MATLAB, Java, C, C++
- COMSOL, FEA
- CAD (Fusion360, Simulink, Zemax)
- Cell staining, fixing, passaging

RELEVANT COURSES

- Digital System Design with Microcontrollers
- Radio Frequency Signals
- iOS App Development
- Mechatronics
- BME Machine Learning

REFERENCES

Ben Cosgrove: bdc68@cornell.edu
James Antaki: antaki@cornell.edu
Kate Navickas: ken43@cornell.edu

WEBSITES

- jasonwchen.com
- <https://www.linkedin.com/in/jason-chen-hello/>
- <https://github.com/JasonChen47>
- <https://vitainnovations.co>

Jason William Chen

A passionate, innovation-driven human learning how to reduce suffering, develop medical devices, and treat diseases

EDUCATION

- Cornell University
Master of Biomedical Engineering 2021-2022
BA of Biological Sciences with Honors 2018-2021

RESEARCH EXPERIENCE

- **Cosgrove Lab Researcher (Cell Culture)**
Cosgrove Lab at Cornell University (May 2019 – Present)
Novel chemotherapy on triple negative breast cancer; Cancer; Stem cells; Drug therapy
- **Kuceyeski Lab Researcher (Bioinformatics and ML)**
Kuceyeski Lab at Cornell University (May 2019-August 2021)
Machine learning to predict autism and multiple sclerosis from MRI scans
Neuromatch Academy (May 2020 to August 2020)
Implemented convolutional neural network to classify images based on BOLD fMRI signals

WORK EXPERIENCE

- **M. Eng. Project: Epi-Luminescent ARF-OCE**
Adie Lab at Cornell University for an M. Eng. Design project (August 2021-Present)
Tactile imaging system using an ultrasound transducer and 1300 nm laser
- **Chief Technology Officer**
Co-Founder of Vita Innovations (March 2020 – February 2021)
Responsible for outreach and prototyping for VitalMask (a smart mask designed to save time in the emergency room by collecting patient vitals)
- **Biomedical Project Team Lead**
Biomedical Device at Cornell University; James Antaki (February 2019 – May 2021)
Prototype, test, and communicate about each year's biomedical device; Eagle, Fusion360, PCB, soldering, microcontrollers; BruxFree – a wearable biofeedback device for bruxism. Team won the Cornell Engineering Innovation Competition semi-finalist rank (2019)
- **University Writing Tutor**
Cornell Knight Institute; Kate Navickas (March 2019 – January 2021)
Tutored 100+ hours for various students, helping them gain confidence in writing
- **Resident Advisor**
Schuyler House at Cornell University; Vernon Miller (August 2021 – Present)
Organize programs and help manage a house of over 150 residents

AWARDS AND HONORS

- **Weill AI Health Hackathon Grand Prize [and other VitalMask awards] (2020)**
International Business Today competition, MDIC CNY Biotech Accelerator, Launch NY Incubator, FoundersXcel Kickstarter, Clinton Global, Cornell eLab
- **Cornell FinTech Hackathon Grand Prize (2018)**
Designed a banking platform for the Peruvian bank Credinka to reduce banking risk.
- **Cornell Big Idea Competition Finalist (2019)**
Entrepreneurship pitch competition; pitched LoonMesh: a mesh balloon which collects water from clouds. Accepted into Rev Ithaca Startups Hardware Accelerator (2019)
- **Biological Sciences Honors Thesis (2021)**
Effects of Progesterone Activation and Inhibition in Chemotherapeutic Combination with PI3K Inhibition on Triple Negative Breast Cancer Cells