Calvin Isch

Curriculum Vitae

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SUMMARY

I recently finished teaching middle school math as part of Teach for America and am beginning my first year as a PhD student in Communication at the University of Pennsylvania. In my present and future roles as a creator, educator, and scientist, I hope to utilize the computational social sciences to improve the systems that shape our lives. From back-packing across China to completing a 100-mile ultra-marathon, I set non-traditional goals for myself and work diligently to achieve them.

EDUCATION

Master of Art in Teaching, Relay GSE, Indianapolis, IN   GPA: 4.00/4.00 – June 2020 - Present
    AmeriCorps funded online master's program completed as part of *Teach for America.*

Bachelor of Sciences, Indiana University, Bloomington, IN   GPA: 4.00/4.00 – 2020
    Major: Cognitive Science
    Minors: Liberal Arts and Management Program (Honor's Certificate), Math
    Cox Research Scholar: Faculty-selected as one of twenty students in the IU Class
    of 2020 to receive the full ride, merit-based Cox Research Scholarship.

HONORS & AWARDS

Year	Award
2015	Boston Marathon Qualifier – split 3:04;43
2015	President's Volunteer Service Award
2015	National Merit Commended Scholar
2016	Valedictorian of Class
2017	Kelley School of Business ACE student
2017	Finalist Deloitte Case Competition
2017	Finalist Macy's Case Competition
2018	Hutton International Experience Program Scholarship
2019	Hutton Honor's College Honor's Thesis grant
2019	Outstanding Achievement Award, IU Cognitive Science Program
2019	Inducted to Phi Beta Kappa
2020	Faculty-panel-selected winner of IUJUR Research Slam
2020-2021	AmeriCorps educational grant recipient
2021	Staff of the Month Nomination
2021	Teacher of the Year Nomination
2021	Sub-24 Hour 100-mile Ultra-Marathon, 22:38;42

WORK EXPERIENCE

Lead Teacher, Indiana Math and Science Academy North   August 2016 – Present

As a 6th grade math teacher, I am responsible for the social and academic growth, well-being, and safety of 56 students.

Key Responsibilities and Achievements

- Designed rigorous and engaging lessons matched to Common Core State Standards and inspired by *EngageNY* curriculum for virtual, hybrid, and in-person format.
- Differentiated instruction for students of diverse backgrounds and learning abilities.
- Set clear and specific rules and expectations to ensure that students felt safe and valued in the classroom; enforced these equitably.
- Received individualized coaching and engaged in weekly professional development throughout the year.
- Hosted Mathematician Monday where students heard from a diverse array of individuals who use math in their lives: a neuroscientist from IU, a mathematician from LSE, a principal, and a chef.
- Member of the Response to Intervention (RTI) committee to help identify and support students with learning and behavioral needs.
- CYSP Young Scholars' mentor; host weekly meetings to develop academic skills, complete cultural exposure activities, and learn about community resources and opportunities.
- Received the highest possible teacher evaluation, "Accomplished", from administrators.

Research Assistant, Indiana University   August 2016 - Present

As a research assistant, I collaborate with faculty and graduate students to develop ideas, create experiments to test those ideas, run those experiments, and present the findings.

Key Responsibilities and Achievements

- Collaborate with Professor Peter M. Todd and graduate students to design, develop, and run lab experiments, field experiments, and internet data studies on future-thinking.
- Research relevant background literature for each experiment and create lit reviews.
- Code lab experiments in JSPsych, a JavaScript library built for psychology experiments.
- Analyze data using Python, SPSS, R, and Excel; write up results in reports.
- Conducted an Honor's thesis on future cognition using big data from Twitter and a cross-population analysis with an Amish population.
- Presented original research talks to labs at Indiana University, Arizona State University, Newcastle University, and Northumbria University.
- First- or second-authored four pre-prints currently undergoing peer review and a paper published in the *Indiana University Journal of Undergraduate Research*.

S&C Imagery LLC, *Founder*   July 2017 – March 2020

As a cofounder and director of both finance and digital marketing, I performed accounting and legal services while ensuring that every customer was blown away by their photo shoot.

Key Responsibilities and Achievements

- Researched and executed the procedures required to incorporate as a business in good standing with the state of Indiana.
- Executed digital marketing campaigns on Facebook and Google.

- Designed and maintained a user-friendly website.
- Interacted with clients and attended client shoots.

Data Science for the Public Good, UVA, *Data Science Internship*   June 2019 – November 2019
As a data science intern, I collaborated with university faculty, *National Science Foundation* (NSF) sponsors, graduate students, and fellow interns to provide evidence-based solutions for several problems facing society.
Key Responsibilities and Achievements
- Developed a measure of innovation due to open source software through working with data collected from GitHub's GraphQL API.
- Identified skills gaps in non-traditional education pathways using big data.
- Honed skills in data science (R, webscrapping, etc.); wrote up and presented results.

_____PRESENTATIONS_____

National Children and Youth Education Conference, Indianapolis IN   September 2017
- Paid to address an audience of 100+ American Legion educators on my education experience.

American Legion National Americanism Conference, Indianapolis IN   October 2017
- Paid to present the Keynote speech to 300+ American Legion leaders from across the country. I discussed my experience at Boys State and shared ideas for future improvement.

Midwest Undergraduate Cognitive Science Conference   April 2018
- Presented a Poster, "Meat O'Vision: The effects of hunger on perception."

Hutton Honors College   January 2019
- Presented a research-talk called "Future Goals & Present Performance" to 30+ Honors scholars.

Data Science for Public Good Symposium   August 2019
- Presented posters "Skilled technical workers" and "Innovation with OSS." To 150+ attendees

HON-H241 Thinking about Tomorrow Guest Lecturer,   November 2019
- Presented a 75-minute lecture including original research, "Considerations of future Consequences, Procrastination, and Psychological Distance" to a class of ~20 students.

IU Undergraduate Research Conference, Bloomington, IN   November 2019
- Presented a talk "Thoughts on tomorrow: How considering the future relates to present activity".

IUJUR Research Slam, Virtual   March 2020
- Faculty-selected winner of a short talk, "Measuring psychological distance with twitter data"

Honor's Thesis Defense, Virtual   April 2020
- Presented a 60-minute presentation on my honor's thesis, "Thoughts on tomorrow: An exploration of future thinking in humans."

COVID-Sociality group   August 2020
- Presented new research on community mask wearing and COVID prevalence, sparking a long-term collaboration with this lab.

Todd-Goldstone Lab Indiana University, Bloomington, IN   October 2020
- Co-presented a 60-minute talk on new work from the COVID-Sociality group collaboration on mask wearing and COVID prevalence.

Allen, Nettle, & Pepper Labs, Newcastle, UK   March 2021
- Presented a 60-minute talk, "Shifts in future orientation: COVID-19 mortality rates, political affiliation, and a decline in consideration of future consequences".

Hirt Lab, Indiana University, Bloomington, IN   March 2021

- Co-presented a 60-minute talk, "Determinants of mask wearing: Attitudes, intentions, and behaviors".

Perception, Evolution and Behavior Lab, Northumbria University, Newcastle, UK   May 2021
- Presented a 60-minute talk on Twitter-data and my paper, "Temporal measures of societal optimism reveal inversion of sentiment toward the near and distant future".

_____ PUBLICATIONS_____

Isch, C., ten Thij, M., Todd, P. M., & Bollen, J. (2021, January 20). Temporal measures of societal optimism reveal inversion of sentiment toward the near and distant future. https://doi.org/10.31234/osf.io/ftqbh

Guevara Beltran, D., **Isch, C**., Ayers, J. D., Alcock, J., Brinkworth, J. F., Cronk, L., … Aktipis, A. (2021, April 18). Mask wearing behavior across routine and leisure activities during COVID-19. https://doi.org/10.31234/osf.io/2qya8

Isch, C., Guevara Beltran, D., Ayers, J. D., Alcock, J., Cronk, L., Hurmuz-Sklias, H., … Aktipis, A. (2021, March 28). What predicts attitudes about mask wearing?. https://doi.org/10.31234/osf.io/jvspx

Guevara Beltran, D., **Isch, C.**, Ayers, J. D., Alcock, J., Brinkworth, J. F., Cronk, L., ... & Aktipis, A. (2020). Mask Wearing Is Associated with COVID-19 Prevalence, Risk, Stress, and Future Orientation. *PsyArXiv*. December, 11.

Isch, C. G. (2020) [Book Section] The (not so) miraculous healing power of placebos. *Critical Medical Humanities*, Leah Savion, ClassPak IUB.

Sonmez, G., & **Isch, C.** (2020). Do Environmental Resource Distributions Affect Attentional Styles?. In CogSci.

Isch, C. G., Nordli, S.A., & Todd, P.M. (2019) Back to the future consequences. *IU Journal of Undergraduate Research.*

_____ LEADERSHIP AND SERVICE _____

Teach for America,   2020-Present
- Selected (~15% acceptance rate) for the 2020 cohort; committed to serve under-resourced public schools for two years.
- Engage in professional development activities including seminars, workshops, and individual coaching throughout the school year and breaks.

Coding Club and Robocon,   2020-2021
- Led a coding club that met twice weekly; introduced middle schoolers to resources such as MIT's Scratch, App Inventor, and Code Academy.
- Students competed in Robocon and our team was awarded an Honorable Mention out of over 20 contestants.

Board of AEONS,   2019-2020
- Faculty-nominated and committee-selected (~8% selection rate) to serve on an advisory board to the University President.
- Research University functions and offer pathways forward to improve the quality of current systems.

Southern Care Hospice,   2018-2020
- Spoke with members of hospice on a weekly basis.

Midwest Undergraduate Cognitive Science Conference, Assistant Director   2018-2020
- Perform various tasks for the conference including speaker selection, photography, advertisement, selection committee, and funding pitches.

Teacher Assistant - H241 The Cognition of Future Thinking,   Fall 2019
- Developed content and presented a 75-minute lecture on my research

TEDxIndianaUniversity,   2016-2019
- *Director of Curation:* elected to the position responsible for selecting speakers and developing talks for events with 1000+ attendees and videos that amass millions of views.
- Facilitated discussion on TED Talks in several community salon events with 50+ attendees.

Student Tutor,   2012-2019
- Both professionally (with B-town tutors) and volunteering.

English Teacher, China   Summer 2018
- Taught English to Chinese students of various ages as part of a 6-week volunteer program.

_____ OTHER INTERESTS_____

Data Science   Python & R   Bayesian Statistics   Teaching   Climbing/Ultra-running   Goodreads