

# ERIC GONG

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## EDUCATION

### Harvard University

A.B. Computer Science & Statistics (Intended)

Cambridge, MA

May 2027

Relevant Coursework: Data Structures & Algorithms, Quantitative Methods for Economics, Systems programming, Systems security

## TECHNICAL SKILLS

**Programming:** C/C++, R, Python, OCaml, C#, HTML, MySQL, Unreal Engine Blueprint, MATLAB

## RELATED EXPERIENCE

### Dr. Bruce Schneier's Lab, Harvard Kennedy School

Cambridge, MA

**Researcher**, Topic: "The Potential of AI-based Political Issue Polling Agents"

Feb 2024 – Present

- Design prompt engineering methodologies to elicit human-like political survey responses from LLMs (ChatGPT, Claude, etc.) conditioning on demographics including age, ideology, race, etc.
- Co-authored commentary piece on AI Political Polling, published with the Harvard Kennedy School Ash Center <https://ash.harvard.edu/articles/using-ai-for-political-polling/>

### Dana-Farber Cancer Institute

Cambridge, MA

**Term-time Software Development Internship**

Sept 2024 – Present

- Develop web app and API gateways to deploy statistical tools developed by Dana-Farber researchers for usage by patients, clinics, and other researchers

### STEM Society

Calgary, AB, Canada

**Founder and Website Developer**

Jun 2019 – Present

- Developed full-stack website Stemsociety.ca from scratch using C#, HTML and MySQL for federally registered non-profit providing resources for youth to explore STEM.
- Received 10,000+ visits, with many users expressing gratitude via website's feedback form

### AI.MED Lab, University of Alabama

Birmingham, AB

**Researcher**, Topic: "Prioritizing Complex Disease Genes using Public Databases"

Jan 2021 – Feb 2024

- Proposed novel iterative framework for disease-gene correlation prediction
- First-author paper published in Volume 59 (2) of the Journal for Biomedical Instrumentations (Pre-print featured on BioRxiv: <https://www.biorxiv.org/lookup/doi/10.1101/2023.02.09.527562>)

### LINDSAY Human Lab, University of Calgary

Calgary, AB, Canada

**Researcher**, Topic: "Using AR to educate the public on COVID-19"

Mar 2020 – Jun 2023

- Designed Augmented Reality Application using Unreal Engine's C++ and Node-graph architecture programming system for use in Microsoft's Hololens 2 AR Headset
- Collaborated with PhD students and proposed the novel implementation of the Niagara Particle Engine to visualize COVID in AR

## LEADERSHIP AND ACTIVITIES

### Harvard Global Research and Consulting Organization (GRC)

Cambridge, MA

**Associate/Consultant**

Sept 2023 – Feb 2024

- Advise billion-dollar NGO Doctors Without Borders on increasing digital resource accessibility under low-bandwidth conditions via Web Performance Optimization techniques, case-study research and interviews with target user demographics

### Harvard General Education Committee

Cambridge, MA

**Committee Member**

Dec 2023 – Present

- Collaborate with tenured professors and Harvard Deans, approve 9 new courses, review 32 existing courses, and create guidelines for Harvard Faculty teaching the General Education Curriculum