

Ethan Rajkumar

(617) 251-2510 | rajkumare@wit.edu | ethanrajkumar.com

Based in: Cambridge, MA 02140

Co-op Availability: January – May 2025

EDUCATION:

Wentworth Institute of Technology | Boston, MA

Bachelor of Science in Computer Engineering

GPA: 3.91 | **Dean's List:** Fall 2022 – Spring 2024

Expected December 2025

American International School of Cape Town | Cape Town, South Africa

GPA: 4.14 | **Honor Roll:** August 2018 – June 2022

Graduate of June 2022

RELEVANT COURSES:

Object-Oriented Programming, Machine Learning, Introduction to Robotics, Computer Architecture, Microcontrollers w/ C, Digital Logic, Multivariable Calculus, Differential Equations, Probability and Statistics

SKILLS:

Programming Languages: C#, C, Java, Python, HTML, CSS, JavaScript, R, Verilog HDL

Software: Multisim, Eclipse IDE, Visual Studio, Quartus Prime, Microsoft Office, R Studio, Blender

Operating Systems: Windows 10/11, Mac OSX

Technical Skills: Software Development, Unit Testing, Image/Data Processing, Statistical Analysis, Web Design

Devices: Arduino Board, Raspberry Pi, DE 10 Lite, STM32 Microcontroller

PROFESSIONAL EXPERIENCE:

Technical Support Engineer | Harvard University Information Technology

April 2024 – August 2024

- Provided technical support to customers for IT inquiries and troubleshooting of computer hardware/software
- Performed repairs on equipment such as laptops, printers, and office machines throughout the Harvard Square
- Developed technical writing skills by documenting outdated articles detailing Harvard technologies.
- Demonstrated initiative in improving customer services and efficiency through proactive problem-solving and innovative solutions.

Academic Tutor | American International School of Cape Town

August 2020 – June 2022

- Tutored 10 high school students on Physics and Calculus resulting in a 100% pass rate
- Provided tailored exam preparations for AP Calculus and AP Physics Exams resulting in an 88% pass rate

RELATED PROJECTS:

Cryosis Game Engine | Individual

January 2024 - Present

- Utilized third-party libraries to develop a game engine with over 50 pages of comprehensive API documentation
- Conducted and documented unit tests via Visual Studio to ensure components and services function as intended
- Demonstrated a strong understanding of object-oriented programming and software architecture while designing software components and services

Microcontroller Development Project | Team of 4

February 2024 – April 2024

- Led the construction of a microcontroller-based guessing game with breadboard circuitry and hardware interfacing
- Identified project requirements and distributed tasks among team members to meet weekly progress milestones
- Communicated and assisted other group members with assigned tasks and research into hardware components
- Maintained a consistent software design that allowed easy integration of new features or systematic changes

ORGANIZATIONS:

▪ Institute of Electrical and Electronics Engineers (IEEE-HKN), **Honors Member**

August 2023 - Present

▪ Wentworth Underwater Rover Team (WUROV), **Software Team Member**

August 2023 - Present

▪ Wentworth Gaming Club (WGC), **Member**

September 2022 – Present