Ethan Rajkumar

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Co-op Availability: September 2025 – December 2025

EDUCATION:

Wentworth Institute of Technology | Boston, MA
Bachelor of Science in Computer Engineering (BSCO) **Expected August 2026**
GPA: 3.88 | **Dean's List:** Fall 2022 – Spring 2025
Relevant Courses: Introduction to Robotics, Embedded Systems, Signals and Systems, Digital Circuit Design, Analog Circuit Design, Computer Architecture, Applied Programming Concepts

SKILLS:

Programming Languages: C#, C++, C, Java, Verilog   **Tools:** Visual Studio, MATLAB, NI Multisim, Quartus Intel
Devices: Arduino, DE 10, Raspberry Pi, Oscilloscope   **Systems:** Windows 10/11, macOS, iOS, Android, Linux
Technical: Hardware Interfacing, Hardware Debugging, Software Development, Software Design, Logic Synthesis, VLSI

PROFESSIONAL EXPERIENCE:

Technical Support Engineer | Harvard University Information Technology   **January 2025 – April 2025**
- Independently repaired 30+ laptops including Dell, HP, and Samsung requiring RAM upgrades, trackpad repairs, motherboard cleanings, and full reassembly to resolve hardware faults and failures
- Took initiative in updating 40+ internal workflow articles detailing IT workflows and department expectations to improve technical documentation and onboarding materials for new hires
- Implemented four internal workflows to expand breadth of services including CrashPlan client management, consultation follow-ups in ServiceNow, locker audits for held devices, and hardware inventory catalogues

Technical Support Engineer | Harvard University Information Technology   **April 2024 – August 2024**
- Coordinated desktop and workstation installations with 20+ offices at Harvard College, managing appointment scheduling and efficient hardware deployment
- Performed routine maintenance at 10+ computer labs at Harvard College, resolving network connectivity issues, servicing printers, and managing local inventory
- Resolved over 500 IT support tickets in ServiceNow, providing efficient technical solutions and adhering to streamlined IT operations in a fast-paced environment

Academic Tutor | Wentworth Institute of Technology   **September 2022 – Present**
- Tutored university students on circuit theory, hardware interfacing, and object-oriented design to enhance comprehension and prepare students for examinations and projects

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.
- Utilized Git software to manage commits, forks, and experimental updates made to the engine for user-interface testing purposes.

Microcontroller Hardware Interfacing Project | Team of 4   **February 2024 – April 2024**
- Reviewed hardware research including IO diagrams, power ratings, and produced code to ensure implementations were aligned with research results.
- Identified project requirements and distributed tasks among team members to meet weekly progress milestones.
- Maintained a consistent software design allowing for fast integration of new features and systematic changes.

ORGANIZATIONS:

- Institute of Electrical and Electronics Engineers (IEEE-HKN), **Honors Member**   **August 2024 - Present**
- Wentworth Engineering Honors Society (WEHS), **Member**   **May 2025 - Present**