

YOHALI BOPEYA

Education

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University Of Illinois at Urbana-Champaign

Expected May 2028

B.S. in Computer Science

GPA: 3.5

- Relevant Coursework: Computer Architecture, Probability & Stats in CS, Data Structures, Software Design Lab

Work Experience

Synchrony Emerging Tech Center @ Research Park

Jan 2026 - Present

Project Management Part-Time Intern

Champaign, Illinois

- Support end-to-end execution of software projects by maintaining project plans, tracking milestones, organizing documentation and aiding in decision making
- Improved project organization and deadline tracking by maintaining schedules, and coordinating team communications

Parasol Laboratory @ University of Illinois

Sep 2025 - Jan 2026

Research Assistant

Champaign, Illinois

- Conduct research in robotic task and motion planning using graph-search algorithms (A*, Dijkstra's) and sampling-based planners to solve high-dimensional configuration space problems
- Applied search algorithms and optimization techniques to solve complex path-planning problems in high-dimensional state spaces

Illinois Math And Science Academy

June 2025

Computer Science Camp Teaching Assistant

Champaign, Illinois

- Designed interactive, game-based, and visual learning activities to introduce younger students to UIUC's CS + X pathways (e.g., CS + Ethics, Media, or Linguistics), emphasizing interdisciplinary applications of computer science

Projects

32-bit MIPS Datapath and ALU (Verilog) | CS 233

Feb 2026

- Designed single-cycle datapath including register file, ALU control, branch comparison logic, and data memory system
- Debugged datapath control hazards and signal timing issues through waveform analysis
- Verified functionality using structured testbench cases across arithmetic, memory, and control-flow instructions

Lost & Found Application | Group Project

March 2026

- Led front-development of an application for students to locate lost items through user interface components by use of HTML, CSS, and Javascript
- Explored system design challenges including API integration and backend architecture

Campus Involvement

Kappa Theta Tau Engineering Fraternity

Sept 2024 – Present

Tech Chair (2026 – Present), Family Officer (2025-2026), General Member (2024-Present)

Champaign, Illinois

National Society of Black Engineers @ UIUC

Aug 2024 – Present

Outreach Committee Member (2024-Present)

Champaign, Illinois

Honors & Distinctions

Ruey-Feng Shieh Li Family Scholarship | University of Illinois

May 2025

- Awarded for overcoming barriers and promoting diversity in technology.

Suhirtha Raj Scholarship in Computer Science | University of Illinois

May 2024

- Awarded for academic excellence, mentorship, and commitment to supporting women in STEM.

President's Award Honors Scholarship | University Of Illinois

Apr 2024

- Merit-based scholarship given to selected UIUC students with demonstrated leadership and growth mindset

Technical Skills

Languages: C, C++, Verilog, Python, Java, HTML, CSS, Javascript

Tools: Android Studio, Visual Studio Code, Colab, Git, GDB, Make