

# Bhavya Kasera

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## EDUCATION

**Yale University, Graduate School of Arts & Sciences** | AUG 2023 - PRESENT

MS, Computer Science

- Anticipated graduation date: May 2025

**University of Toronto, Faculty of Arts & Sciences** | JUN 2023

HBSc, Computer Science with a Focus in Artificial Intelligence

- **CGPA : 4.0** (scale: 4.0)
  - **Awards and Honors**
    - University of Toronto Excellence Award [value \$7500] (2021) & (2022)
    - Robert Bruce In-Course Scholarship [value \$1750] (2020-21)
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## WORK EXPERIENCE

**Qualcomm** — Software Engineer Intern (San Diego, CA)

MAY 2024 - AUG 2024

- Leveraged **generative AI** to build an interactive image editing assistant **Android app**. Worked with teams across organization to **test**, **plan**, and **develop** the application. **Led demos** to VP, SVP, and teams across the company.

**Yale University** — Graduate Teaching Fellow (New Haven, CT)

AUG 2023 - PRESENT

- TF for intro to **AI** - tutored students, provided support to students for assignments/tests, and graded papers. Requires good communication skills, clear concepts, and a solid foundation in AI.

**Momentive.ai (formerly SurveyMonkey)** — Software Developer Intern (Toronto, Canada)

MAY 2022 - AUG 2022

- Worked on front-end content management system to unify user data, allowing for a common login across all company applications.

**RBC (Royal Bank of Canada)** — Software Developer Co-op (Toronto, Canada)

MAY 2021 - APR 2022

- Worked with **DevOps Centre of Excellence** to **expand**, **maintain**, and **support** an internal onboarding platform. Pioneered **RESTful API** development for new features, and worked with teams to build efficient, robust applications.
  - Recognised as top talent among interns, was part of a **roundtable** with the **VP** of **Tech&Ops** at RBC. Also led a student resource group meant to provide support to student interns.
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## RESEARCH EXPERIENCE

**SickKids Hospital/Vector Institute** — Research Assistant (Toronto, Canada)

MAY 2022 - MAY 2023

- Awarded the **University of Toronto Excellence Award** to work on a project in **computer vision** for **healthcare**, under Prof. Anna Goldenberg, SickKids Hospital/Vector Inst.
- **Developed** and **fine-tuned** a deep learning-based tool to segment anomalies in first trimester prenatal ultrasounds. Work includes applying deep learning, generative models, and contrastive learning to medical imaging.

**Matter Lab** — Research Engineer (Toronto, Canada)

MAY 2021 - AUG 2021

- Awarded the **University of Toronto Excellence Award** to work on a **biochemical imaging** project under Vector Institute researcher Prof. Alán Aspuru-Guzik. Used **CNNs** to design 3D biomolecules. Also used a graph neural network-based model to build a dataset for antibiotic discovery, called Ad-Mol.