

Utkarshna Sinha

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EDUCATION

Northeastern University

Candidate, Master of Science in Computer Science, GPA: 3.75/4.0

Sep 2019 - Apr 2022

Boston, MA

Relevant Coursework: Computer Systems, Foundations of AI, Algorithms

Awards: Grace Hopper Celebration of Women in Computing Scholarship Recipient (2020), Women in Tech Regatta Scholarship Recipient (2020)

University of Toronto

Honors Bachelor of Science - Human Biology & Psychology

Sep 2014 - Jun 2018

Toronto, ON

Awards: Gordon Cressy Leadership Award; Father Robert Madden Leadership Award

TECHNICAL KNOWLEDGE

Languages

Python, Java, C++, C

Tools

Linux, Git, Jupyter Notebooks

PROJECTS

Declarative Animation Software

Sep 2017 – Apr 2018

Northeastern University

Boston, MA

- Designed and developed software which draws shapes, and transitions, given a natural language descriptions
- Developed using the Model-View-Controller architecture in **Java** with the **Swing UI Framework**

Biomedical Engineering Capstone Design Project

Sep 2017 - Apr 2018

University of Toronto

Toronto, ON

- Collaborated with healthcare service providers, and a team of engineers to develop a prototype of an electronic spirometer (medical device) integrated with an **Android** app
- Independently learned **Unity3D**, **Python**, and **C#** to design the graphics and game

WORK EXPERIENCE

Graduate Teaching Assistant

Jan 2020 – Current

Northeastern University

Boston, MA

- Assist students with fundamental programming in **Python** at office hours and recitations
- Evaluate programming assignments and exams according to guidelines and give detailed feedback

Software Support Specialist

Apr 2019 – Aug 2019

Reynolds & Reynolds

Toronto, ON

- Assessed customer concerns regarding their experience of ERP software resulting in **5% increase of resolutions**
- Reported customer feedback, and recommended functional and UI improvements to the development team

Research Student in Synthetic Biology and Microbiology Labs

Sep 2015 – Apr 2017

University of Toronto

Toronto, ON

- Designed and conducted scientific experiments, resulting in two written theses and five poster and oral presentations at conferences including the international Experimental Biology conference
- Analyzed and synthesized results that were published in two peer-reviewed journals - the International Journal of Antimicrobial Agents and the American Journal of Physiology