Oscar Heath

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Education

University of Toronto, BS in Computer Science — Sept 2023 – Present

- GPA: 3.88/4.0
- **Coursework:** Software Design, Enriched Data Structures and Algorithms, Introduction to Machine Learning, Advanced Calculus, Probabilities and Statistics II
- **Honors:**
  - Archibald MacMurchy Memorial Scholarship
  - Dean's List Scholar 2023-2024

Experience

Senior Camp Counselor, Mansfield Outdoor Center – Ontario, Canada — June 2022 – Aug 2023

- Lived and worked on site, developed leadership and team building experience
- Maintained attendance sheets for campers, worked sign-in/sign-out desk, completed and handled incident reports with parents
- Mentored several Junior Counselors and LITs (Leaders in Training)

Leadership

Web Developer and General Council Member, Computer Science Student Union — October 2024 – Present

- Working with a team on full revamp of CSSU Website along with miscellaneous other projects
- Assisting with staffing CSSU lounge and snack bar

Web Developer, University of Toronto Machine Intelligence Student Team — October 2024 – Present

- Working with a team to plan and build a website for UTMIST

Recognized Study Group Leader, University of Toronto — January 2024 – April 2024

- Planned and ran study sessions for members of my RSG for MAT157, Analysis I
- Completed RSG Training Session, Mid-Semester Check-In, and Reflection Survey

Projects

Flood Fill – 2nd place winner at NewHacks 2024 Hackathon (of 350 participants)

- Full Stack Web Application allowing users to search locations in Canada and see a flood risk report created using our custom trained Neural Net
- Tools Used: Python (Flask), JavaScript (React), Tailwind CSS, TensorFlow, Google Cloud Platform, GitHub Pages

Integral Parser

- The Chrome extension which parses raw images into Wolfram Alpha links to the integral
- Tools Used: TypeScript (React), Chrome Extension Tools, OpenAI

Ripple: AI Playlist Extender

- Developped a Full Stack Web Application allowing users to extend their Spotify playlists by AI generating new music using Suno AI
- Tools Used: Python (Flask), JavaScript (React), Google Cloud Platform, GitHub Pages, Firebase

Technologies

Programming Languages: Python, JavaScript, TypeScript, Java, C, HTML, CSS, SQL, MIPS Assembly

Technologies: GitHub, Google Cloud Platform, AWS, Firebase, Office 365

Languages: English (Native), French (Fluent)