Stephan Motha

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EDUCATION

University of Toronto   **Expected 2024**
Honors Bachelor of Science (HBSc) - Computer Science, Mathematics Minor
- **CGPA**: 3.87/4.00
- **Relevant Coursework**: Software Design, Data Structures and Analysis, Systems Programming and Software Tools

EXPERIENCE

HubSpot   Cambridge, Massachusetts
Software Engineer Intern   *Aug. 2022 – present*
- Collaborated on the release of the user presets dashboard, giving customer admins extensive control of user groups, allowing default settings and custom views with a **49%** onboarding usage over one month
- Advanced the development of business units, a feature allowing customers a systematic and centralized mechanism to manage multiple brands using **React** and **TypeScript**

PagerDuty   Toronto, Ontario
Software Engineer Intern   *May 2022 – Aug. 2022*
- Spearheaded the development of custom feature-based modals in **Ember**, contributing to a **68%** YoY growth in active customer event intelligence trials and supporting a product-led growth methodology
- Extended functionality of the intelligent alert grouping feature using **Elixir** and **Ruby** to allow for a dynamic grouping time window based on inter-arrival time, increasing total grouped alerts across services

University of Toronto   Toronto, Ontario
Mathematics Teaching Assistant   *Sep. 2021 – Dec. 2021*
- Organized and led weekly tutorials for **70**+ students to strengthen understanding of calculus concepts
- Graded course work and held office hours to address misconceptions and concerns about course content

CAP Lab   Toronto, Ontario
Software Developer   *May 2021 – Aug. 2021*
- Collaborated in a team to develop a neural network framework to simulate language processing in **Python** and reduce lines of source code by **~4.5** times from a previous **C** implementation
- Worked extensively with **NumPy** and related libraries to vectorize matrix computations resulting in efficient feedforward/backpropagation algorithms and easily adaptable code

University of Toronto   Toronto, Ontario
Full-Stack Web Developer   *Sep. 2020 – Apr. 2021*
- Developed and updated a web application using **React** and **PHP** focusing on the efficient transfer of program details into a brochure format to manage program modifications and visualizations effectively

PROJECTS

Google Developer Student Club Portal
React/Express/MongoDB/Node/Docker
- Developed a full-stack web application to streamline the application process for students and mentors to the GDSC community projects initiative, solving the bottleneck in application turnaround time

SKILLS

Languages: Python, Java, C, SQL, HTML, CSS, JavaScript, TypeScript, PHP, Ruby, Elixir, Racket, Haskell
Technologies/Frameworks: Git, React, Node, Express, Django, MongoDB, Docker, Postman