

SYED SABEEH HASSANY

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EDUCATION

Boston College

Major: BA Computer Science, BS Neuroscience ; Minor: Maths ; Awards: Pops Scholarship

Relevant Coursework: Computer Systems & Organization, Logic and Randomness, Algorithms & Data Structures, Research Practicum in Human Intelligence and AI, Machine Learning, Advanced Machine Learning, Biomedical Image Analysis

Chestnut Hill, MA

Graduated: May 2024

PROJECTS

Tetris Deep Reinforcement Learning Bot

ML Personal Project under Dr. Sergio Alvarez, BC

Chestnut Hill, MA

Oct 2023 – Dec 2023

- Led team of 3 on a 8 week sprint designing a pygame Tetris and a Deep Q-Learning Neural Network
- Employed a 2 hidden layer 64 unit ReLu activation design using heuristic learning such as lines cleared and board height
- Achieved an average of 500 lines cleared and 11,000 score with bot resembling professional playing ability

ML Spotify Song Genre Classifier

ML Personal Project under Dr. José Bento, BC

Chestnut Hill, MA

Feb 2023 – May 2023

- Led team of 4 on a 12-week R&D sprint building a genre classifier using 10k songs from Spotify API, achieving 91% accuracy
- Created multiple scikit-learn classification models including random forest, ADABOOST, Naive Bayes and more
- Organized team progress and updates via Notion and communicated quarterly milestone updates to supervising professor

Contrastive Image Learning with Spatiotemporality

ML Personal Project under Dr. Stefano Anzellotti, BC

Chestnut Hill, MA

Oct 2022 – Jan 2023

- Use unsupervised contrastive learning on spatiotemporal videos to achieve biologically accurate visual representations
- Researched current works in contrastive learning and optical flow, grasped TensorFlow, and created a 10-page review report
- Implemented Python MotionNet optical flow framework (Zhu et al. 2018) and SimCLR on Google Collab (Chen et al. 2020)

WORK/INTERNSHIP EXPERIENCE

Frenalytics (Seed Stage Health/Ed Tech Startup)

Fullstack Software Engineer Intern (Paid)

Remote

May 2023– Sep 2023

- Applied .NET, C#, SQL, GitFlow, and API Backed Database skills to build a mock relational database with endpoints schema
- Designed an updated patient information customization interface to streamline patient customization in services
- Working on full stack tickets for new features and new releases with engineering, product, and design teams

NuCalm (\$20m+ Series A neurotech startup)

DevOps + Project Manager Intern (Paid)

Remote

Jan 2021– Jul 2021

- Led NuCalm's webpage redesign and migration using Selenium and Figma to propose design changes and transfers
- Designed research study with Nellis US Air Force in decreasing over 20 medical residents' fatigue with NuCalm intervention
- Proposed API integration portal for managing team and customer services with design and engineering teams

Character Lab (Non-profit focused on character development for children)

Project Manager Intern (Paid)

Remote

Nov 2020 – Feb 2021

- Managed a team of 4 interns for marketing and disseminating character development content to teenagers
- Performed team market research through strategies like customer journey mapping and trade-off analysis
- Delivered a 37-page report on best practices for outreach such as content creation and search engine optimization

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Boston College Machine Intelligence Group

VP of Industry and External

Chestnut Hill, MA

Aug 2022 – May 2024

- Staying updated and connected with ML market and research trends for project and learning direction
- Providing diverse speakers and professors to ensure representation within club members and industry
- Collaborating with executive board and managing budget of \$30k+ with budgeting, audits, and purchase requests

Islamic Center of Boston and Community Center (501c3) : Inter College Committee

Committee Chair

Chestnut Hill, MA

Feb 2022 – May 2024

- Collaborating with 14+ colleges and off campus partners and organizations on religious and social services offered
- Rebuilding relationships with marginalized populations in Boston+ area and increasing Black/LatinX Muslim representation
- Managing initiatives with 12 members across 4 committees and 4+ inter collegiate events of 100+ attendance

OTHER

Technical Skills: Java, C, C#, .NET, SQL, Node, Python, PyTorch, Scikit-Learn, TensorFlow, HTML/CSS, Excel, Azure, Jupyter

Personal Skills: *CliftonStrengths:* Restorative, Strategic, Relator, Learner, Analytical; *CarrerExplorerTraits:* Enterprising, Investigative

Languages: Proficient in Urdu and Hindi; Conversational in Spanish; Learning Arabic, Bengali