Aarohi Nadkarni

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston, MA   September 2021-Present
Khoury College of Computer Sciences   Expected May 2025
Candidate for Bachelor of Science in Computer Science and Behavioral Neuroscience
GPA: 3.95/4.0
Related Courses: Artificial Intelligence | Web Development | Object-Oriented Design | Algorithms & Data | Fundamentals of Computer Science 1 & 2
Honors: Dean's List | National Merit Scholarship | PEAK Base Camp Award | Honors Program
Activities: Strong Women Strong Girls (Event Coordinator 2023-2024, Cohort Leader 2022) | Alpha Phi Omega

COMPUTER KNOWLEDGE

Languages: Java | JavaScript | Groovy | PostgreSQL| MATLAB | Python | Racket | C++ | HTML
Software: IntelliJ | Jenkins | Git | Elasticsearch | Openshift | Azure | Docker | Jira | Confluence | Eclipse | Dr. Racket
Systems: Linux | Windows | MacOS | Unix

EXPERIENCE

BROAD INSTITUTE OF MIT AND HARVARD, Cambridge, MA   January 2024 - July 2024
Software Engineer Co-op
- Collaborated with product and UX teams to define, plan, and develop new features, adapting to evolving team priorities and stewardship in an Agile environment to enhance data access requests and facilitate data sharing
- Designed, developed, and implemented new back-end and front-end features for an existing method of data access end to end, enhancing academic software for private enterprise user journeys
- Enhanced filtering and search efficiency by implementing advanced Elasticsearch queries

WOLTERS KLUWER HEALTH, Waltham, MA   January 2023 - August 2023
DevOps Software Engineer Co-op
- Refactored, maintained, and wrote object-oriented applications in Groovy which generate build and deploy jobs on Jenkins instances to facilitate Continuous Integration/Continuous Deployment
- Restructured build & deploy pipelines to Azure utilizing Azure Functions and Azure Static Sites
- Coordinated planning, testing, and rollout of numerous switchovers and upgrades for Jenkins instances with 5+ development teams to ensure requirements were met in an Agile environment

MOVEMENT NEUROSCIENCE LABORATORY, Boston, MA   January 2022 - Present
Undergraduate Research Associate
- Researching movement neuroscience, motor science, and human neurophysiology to study health and disease through literature review, data processing, and running of experiments with participants
- Utilizes MATLAB to visualize and represent EEG findings in an ongoing project
- Processed 10,000+ trials for a project and ran 10+ experiments for another project interpreting EMG data

STRONG WOMEN STRONG GIRLS, Boston, MA   January 2022 - Present
Event Coordinator, Cohort Leader, Site Leader, Mentor
- Facilitates weekly mentoring sessions at local Boston elementary schools with programming for mentees in 3rd-5th grade utilizing a curriculum grounded on role models to empower mentees to imagine a broader future
- Plans and organizes events for 50+ mentors to facilitate connection and cultivate an empowering community

PROJECTS

FRACTURED   July 2023 - Present
- Programmed a large-scale interactive game and art piece where viewers controlled a "cracking" animation displayed on the Ars Electronica museum in Linz, Austria working in a team of three
- Implemented laser motion-tracking software Pharus to display individual's movement as light on the facade

IMAGE PROCESSING APPLICATION   June 2022 - July 2022
- Created & designed a MVC architecture image processing application to display and edit images with Java using text and visual (Java Swing) interfaces executable from terminal; tested with JUnit libraries

COMPUTATIONAL NEUROBIOLOGY RESEARCH PROJECT   June 2020 - August 2020
- Conducted a research project on hypocalcemia's paradoxical relationship with epileptic seizures with 3 peers using Python & NEURON to build & adapt computational models modeling the dentate gyrus
- Modeled neuronal networks & analyzed data using Python software packages for presentation

INTERESTS

- Cooking global cuisine | Social Justice | Hiking | Custom sneakers | R&B & Indie Music