

Aranjinsuren Enkhbat

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EDUCATION

Brandeis University

Waltham, MA

Bachelor of Science in Computer Science and Applied Mathematics, Minor in Economics

Jan. 2021 – Dec 2024

Majors GPA: 4.00/4.00 **Overall GPA:** 3.93/4.00

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Natural language processing, Scientific Data Processing in MATLAB, Advanced Programming Techniques in Java, Linear Algebra, Multivariable Calculus, Statistics, and Discrete Math

Relevant Coursework to be completed by Fall 2023: Fundamentals of Artificial Intelligence, Practical Machine Learning with Big Data, Mathematics for Machine Learning, Introduction to Applied Mathematics, and Probability

Awards: Wien International Scholarship, Dean's List (All Semesters)

EXPERIENCE

Incoming Undergraduate Teaching Assistant, Data Structures & Algorithms Aug 2023 – Dec 2023

Michtom School of Computer Science, Brandeis University

Waltham, MA

Data Science Intern

May 2023 – Present

Graduate School of Arts and Sciences, Brandeis University

Waltham, MA

- Develop Natural language processing model in Python to filter, tokenize, part-of-speech tag, and lemmatize 2300+ graduate student applicants' statements of purpose for analysis
- Analyze all 59 programs' enrollment data to build a predictive machine learning model on assisting the composition of course size and offerings for 900+ students

Undergraduate Head Teaching Assistant, Advanced Programming in Java Jan 2023 – May 2023

Michtom School of Computer Science, Brandeis University

Waltham, MA

- Taught 50+ students fundamentals of encapsulation, inheritance, polymorphism, abstraction, and algorithms
- Led a team of 5 teaching assistants to hold weekly recitations and office hours to help students develop a deeper understanding of Object-oriented programming
- Devised a programming assignment that tests recursion and backtracking as well as its grading rubric
- Reviewed 20+ students' programming assignments biweekly and gave constructive feedback for more elegant and efficient solutions

PROJECTS / EXTRACURRICULARS

Director of Tech Consulting – TAMID Group

Jan 2023 – Present

- Lead a team of 19 student engineers to provide full stack and data analytics development for 2 Israeli start-up companies: **InBe** and **Weelrn**
- Engineer clients' products from the initial Minimum Viable Product (MVP) stage all the way to Minimum Marketable Feature (MMF) stage
- Ensure quality of 150+ commits through code reviews and testing
- Spearheading client-project matching, project scoping, and client expectation negotiations

Concurrent UNIX Shell CLI implementation in Java

Feb 2023 – Mar 2023

- Coded a Java implementation of UNIX Shell CLI supporting File System Commands, Text Operations, Redirection, Piping, and Background Processes
- Utilized Java Multithreading, Object-oriented programming, and System Calls to optimize code and lessen execution time

TECHNICAL SKILLS

Languages: Java, Python, MATLAB, R, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, Django, JUnit

Developer Tools: Git, Docker, Azure DevOps, Linux, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib, NLTK, Scikit-learn, TensorFlow