

Aleksandar Jovanovic-Hacon

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EDUCATION

Massachusetts Institute of Technology

Aug 2021 - Dec 2024

Bachelor of Science, Mathematics and Computer Science; 4.7/5.0 GPA

Expected Graduation: December 2024

- Relevant Coursework: Algorithms, Machine Learning, Statistics and Probability, Fund. of Programming, Real Analysis, Computer Vision, Theory of Computation, Data Visualizations

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University of Utah

May 2017 - May 2021

High School University Program, Gap Year; 4.0/4.0 GPA

WORK EXPERIENCE

Uncountable Inc, Software Engineering Intern

San Francisco, CA | May 2024 - Aug 2024

- Closed over 100 feature request tickets by efficiently diagnosing and resolving user-reported issues, contributing to faster product iterations and customer satisfaction.
- Developed a new runsheet and table builder feature, which optimized data processing times and enhanced user experience with more intuitive controls and expanded customization options

MIT Media Lab, Undergraduate Researcher

Cambridge, MA | Aug 2023 - Feb 2024

- Spearheaded the creation of an embedding conversion method aimed at harmonizing word embeddings from diverse Large Language Models (LLMs), including GPT-3, BERT, and RoBERTa in the MIT Latent Lab
- Expanded existing embedding visualization tools by integrating advanced dimensionality reduction techniques such as PCA, T-SNE, and UMAP, allowing researchers to uncover patterns in high-dimensional data with greater clarity.
- Migrated multi-gigabyte embeddings into a high-performance vector database, boosting query efficiency by 40% and enabling real-time data exploration for large datasets.

Velvet Financial Services, Junior Software Engineer

Salt Lake City, UT | May 2022 - Aug 2023

- Developed and deployed over 50 mobile-responsive web pages as part of the final website, contributing to a seamless and user-friendly online experience across various devices.
- Utilized a full stack skill set for front-end (HTML, CSS, JavaScript) and back-end (Node.js, Python) development.
- Aided the creation of an AI tool streamlining investment onboarding, automating document parsing, data extraction, and listing generation.

Massachusetts Institute of Technology, Teaching Assistant, Physics

Cambridge, MA | Aug 2022 - Jan 2023

- Guided and instructed a group of 20 students through lab activities and example problems during each class, facilitating hands-on learning and conceptual understanding.
- Demonstrated leadership by voluntarily organizing and leading exam study sessions, drawing up to 50 students and contributing to their exam preparation success.

SKILLS

Programming: Python, React, HTML, Go, R, Java, Javascript

World Languages: Fluency in English, Spanish, and Serbian

Software: Linear, Figma (design), Material UI, PyTorch, Numpy, LaTeX, Svelte

