Noam Molloy

Portfolio: noammolloy.github.io

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EDUCATION

Brandeis University, Waltham, MA — Aug 2021 - Dec 2024
B.S. in Computer Science, Minor in Linguistics - GPA: 3.86

- **Relevant Courses:** Human-Computer Interaction, OOP, Data Structures & Algorithms, Discrete Math, Statistics, Theory of Computation, Natural Language Processing, Linear Algebra, Operating Systems, Fundamentals of SWE, Web Dev, AI, Information Visualization, Security, Compiler Design
- **Awards:** Provost Scholarship, Dean's List (Every semester)

SKILLS

Technical Skills:

Programming Languages: JavaScript | TypeScript | JQuery | HTML | CSS | SQL | Python | Java | R | Ruby on Rails
Frameworks/Libraries: React.js | Angular | Redux | ReactQuery | Node.js | Next.js | Vue.js | Flask | pandas | REST APIs | MongoDB | Git | Tailwind CSS | Material UI | Chakra UI | Stripe | MVC | MVVM | SEO
Softwares: Github | Jira | Kanban | Tableau | Photoshop | Postman | Hoppscotch
Languages: English (Native) | Hebrew (Fluent) | French (Proficient)

WORK EXPERIENCE

Lead Frontend Developer, *ProsperOn*, Boston, MA — Feb 2025 - Present

- Oversee frontend development of personal finance and education platforms, ensuring a clean, scalable, and maintainable codebase, while guiding and mentoring frontend developer interns
- Design, develop, and optimize cross-functional features for users using TypeScript React, TailwindCSS, and Next.js following agile development practices and CI/CD
- Collaborate with UI/UX designers and backend developers to ensure seamless integration of frontend
- Transform business needs into technical requirements, and break down into tickets to assign to the team
- Test and improve platform performance to ensure responsive design
- Conduct code reviews and quality assurance tests to ensure the delivery of high-quality, bug-free code, and smooth version control

Full-Stack Developer Summer Intern, *SueApp*, Remote — June 2024 - Aug 2024

- Designed and implemented new web pages in React to enhance user experience and functionality on the website
- Redesigned pages to better align with improved user experience while maintaining frequent communication with the team to ensure alignment with company goals
- Worked with SOAP API to retrieve case data and submit new cases to a court system, REST API for service provider communication, and managed the information being stored in the company database
- Integrated and maintained backend services using Ruby on Rails to support frontend functionality and ensure seamless data management

Data Scientist, *Office of Research Administration at Brandeis University*, Waltham, MA — Jan 2023 - Jan 2024

- Conducted machine learning analysis to predict the likelihood of research proposals being funded by institution
- Data cleaning and preprocessing, utilized scikit-learn ML models
- Built and maintained a web app to allow for user interaction with the ML model
- Implemented NLP techniques for topic modeling and keyword extraction
- Created data visualizations to allow supervisors make administrative decisions

Teaching Assistant, *Brandeis University*, Waltham, MA — Jan 2022 - Dec 2024

- Courses: Advanced Programming Techniques in Java (COSI 12b), Intro to Problem-Solving in Python (COSI 10a)
- Assist in running the class, lead review sessions, create labs and issue them to the class
- Hold office hours to support students on programming assignments and answer questions
- Create new assignments and write JUnit tests for grading

PROJECTS

Docket Project — March 2024

- Designed a gamified event finding socialization app for an HCI course
- Conducted user research and usability testing to refine app features, ensuring an intuitive user experience and increased engagement

Webkinz Personal Project — Oct 2022 - Dec 2022

- Designed and implemented a fully automated solution to a word game in Webkinz using image processing to capture all letters on screen, generating an undirected graph, implementing Djikstra's algorithm to find all possible words, and ranking each word based on score
- Focus on optimization to greatly increase efficiency from about 20 minutes to a few seconds