Noam Molloy

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Portfolio: **noammolloy.github.io** | GitHub: **github.com/noammolloy** | LinkedIn: **linkedin.com/in/noammolloy**

EDUCATION

Brandeis University, Waltham, MA   2021 - 2025
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:** Magna Cum Laude, Provost Scholarship, Dean's List (Every semester)

SKILLS

Technical Skills:
    Languages: JavaScript, TypeScript, Java, Python, SQL, PHP, Ruby, R
    Frameworks & Libraries: React, Angular, Redux, Next.js, Node.js, Flask, Ruby on Rails, Tailwind CSS, MUI, Jest, Playwright
    Tools & Platforms: Git, GitHub, AWS, Postman, Hoppscotch, Jira, Tableau, Figma, WordPress, Stripe
    Databases: PostgreSQL, MongoDB
    Other: SEO, MVC, MVVM, CI/CD, REST, GraphQL

WORK EXPERIENCE

Lead Frontend Developer, *ProsperOn*, Boston, MA   Feb 2025 - Present
- Lead development of personal finance and education platforms, translating business needs and sprint tasks into 30+ tickets per month, and oversee project execution from planning to deployment
- Translate Figma wireframes into reusable UI components, maintaining design accuracy and responsiveness
- Integrate frontend with backend services via REST APIs, and tested endpoints using Postman
- Mentor 3 frontend interns, conduct 20+ code reviews per month, and ensure high standards of code quality, performance, and accessibility
- Collaborate with designers and backend teams to ensure seamless API integration and product development
- Build, maintain and optimize performance of the WordPress headless CMS powering dynamic content
- Implement automated testing at the unit, integration, and end-to-end levels, reducing bugs and improving deployment stability (Playwright, Jest)
- Tech stack: React (TypeScript), Tailwind CSS, and Next.js in an agile, CI/CD environment (GitHub Actions)

Full-Stack Developer Summer Intern, *SueApp*, Remote   June 2024 - Aug 2024
- Improved and implemented features for a court case submission form for legal-tech start-up
- Built and deployed responsive, user-friendly frontend using Angular, HTML, CSS, and TypeScript, and Ruby on Rails for backend
- Utilized SOAP and REST APIs to retrieve and submit state court case data
- Participated in agile sprint cycles, helping shape product strategy through technical input and sprint planning, improving feature delivery speed by 30%

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 with 80%+ accuracy
- Data cleaning and preprocessing, utilized scikit-learn ML models (Decision Tree, SVM)
- 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

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 increase efficiency from about 20 minutes to a few seconds