

# DYLAN MOMPLAISIR

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## EXPERIENCE

### Software Engineer, The Atlantic; New York, NY — 2021-Present

- Led audio platform development contributing to sitewide play rate improvement from 3% to 7%, building custom frontend player with first-party analytics and shared data interface serving both web and mobile platforms
- Rebuilt Collections system to replace all legacy taxonomy (sections, channels, projects) pages, enabling editors to create flexible, modern, dynamic layouts which has increased ad revenue potential and content discoverability
- Developed an LLM-powered content generation platform with human-in-the-loop validation, implementing quality control mechanisms and workflow integration for supervised AI content creation using Next.js, FastAPI, and Vercel AI SDK.
- Collaborated with Editorial to develop experimental visual storytelling experiences for podcasts (Holy Week, Scripts)

### Co-Founder/Technical Lead - Touchpoint; New York, NY (stealth legal tech startup) 2024-2025

- Built workflow orchestration on Inngest connecting enterprise legal data providers
- Leveraged LLMs, and graph networking to develop a comprehensive understanding of internal legal corporate departments
- Windsurf (Codeium) was a client - direct experience with AI tool enterprise adoption
- Implemented WebSocket and polling-based real-time sync
- 0→1 product development, from front-end design to backend implementation with SOC2 requirements

### Digital Product Director, The Amherst Student — June 2018 - June 2021

- Managed technical transition from Drupal to Next.js, incorporating machine learning for archival article retrieval and growing readership to 10,000 monthly users
- Achieved 85-90% newsletter read rates through data-driven strategy optimization and technical implementation improvements
- Trained team of six in digital strategy, web development, and social media management while establishing technical workflows
- Implemented AWS/CodeBuild deployment strategies ensuring minimal downtime during platform transitions

### Solution Architect Intern, Unqork — June 2018 – June 2021

- Joined as employee #30 in fast-paced startup environment, contributing to early-stage growth and product development
- Built demo solutions for enterprise clients in insurance, finance, and life sciences sectors, translating business requirements into technical implementations
- Developed features for COVID-19 meal delivery solution serving 100,000+ DC residents during pandemic response
- Balanced development work with client-facing projects, gaining experience in both technical execution and stakeholder communication

### Engineering Intern & Contractor, New York Times — (Summer 2019; Summer 2020 – Winter 2021)

- Created Python package for FOIA document processing, streamlining investigative journalism workflows

- Contributed to Pulitzer Prize-winning COVID-19 data collection, maintaining systems processing data from hundreds of international sources and refactoring scrapers for improved accuracy

## EDUCATION

Amherst College, *B.A. in Architectural Studies and Computer Science, Spring 2021*

## SKILLS

- **Languages & Frameworks:** JavaScript, Python, [React](#), Next.js, Django, FastAPI, GraphQL, Node.js
- **Databases & Infrastructure:** PostgreSQL, MongoDB, AWS, Docker, Terraform
- **Domain Expertise:** Audio Technology, AI/ML Integration, Content Management Systems