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EDUCATION

Amherst College, Amherst, MA

Spring 2021

- B.A. in Architectural Studies (with a focus on Urban Studies) and Computer Science
- Relevant Coursework: Machine Learning, Data Structures, Algorithms, Data Science and Computer Systems

SKILLS

- *Design*: Sketch, Figma, Adobe Photoshop and InDesign
- *Coding*: Python, HTML/CSS/JS (intermediate), R (Beginner); MongoDB, Postgres; Next.js, AMP, GraphQL
- *Other skills + interests*: Data analysis, branding, participatory design, user experience research, and smart cities

PROJECTS

The Amherst Student, Archival Project - Software Developer

Fall 2020

Developing a new platform for showcasing archival content from The Amherst Student, scraped nearly twelve thousand articles across three prior websites, leveraging topic-modeling and natural-language processing to provide researchers with further insights into the corpus; collaborating with the newsroom to intercept new terms, and trends.

New York Times, DocTools

Summer 2020

Spearheaded migration of twelve-million documents from legacy AWS machine to a new document-based reporting system, implemented a decoupled transformation system for varying document types (emails, inbox records, images), designed a migration plan to allow for seamless transition without affecting core platform and cut costs by closing down a costly Elasticsearch instance using nearly 4TB of space. Created role-based access control for new system to ensure privacy.

EXPERIENCE

The Amherst Student, New York, NY

June 2018 – Present

Digital Product Director

- Designed brand identity - providing brand consistency and increasing brand awareness to 80%
- Curated unified digital strategy providing large audiences for new products such as our newsletter, and podcasts
- Lead two teams of digital creatives to implement our digital strategy through UI Design, and social media
- Support data-based reporting and editorial support by reporting user analytics and traffic trends to the newsroom
- Developed, maintained, and scaled our JAM stack website to receive over 60k monthly online pageviews
- Trained over ten editors in how to create interactive news articles which receive 2x the engagement as regular article

The New York Times, New York, NY

Summer 2019; Summer 2020 - Present

Software Engineering Intern (Reader Experience Team; Interactive News)

- Developed and integrated a new Spotify component across three platforms (AMP, mobile, and desktop)
- Collaborated with product designers and managers to implement a new player design for podcast landing pages
- **Designed a newsroom-facing product with a team of six other interns** visualizing version changes of articles
- Created a modular conversion package for transforming FOIAs to semantically correct documents in JS
- Fixing, and triaging over thirty scrapers of public health departments for covid-19 data

Unqork, New York, NY

June 2018 – Present

Software Engineering and Business Product Intern

- Trained three new employees in agile technical configuration on our platform
- Interviewed and hired over six high school apprentices for two teams
- Engaged in initial market research for brand expansion into new product lines
- Created and executed **automated unit tests for 15 front-end components** to detect bugs and improve code quality
- Developed user interface for requesting COVID-19 meals/benefits for DC Metropolitan Area
- Configured potential client solutions for major financial services clients such as Goldman Sachs

NASA Goddard Institute of Space Studies, New York, NY

June 2017 – August 2017

Research Intern

- Developed a **proof-of-concept of an affordable (\$35) semi-autonomous robot** for the developing world
- Published and presented research to 200 researchers at CUNY and NASA Intern Symposium
- Integrated light sensors and proximity sensors into the microcomputer running the robot's software (Java)
- Learned project management tools and techniques such as Gantt charts