Atul Jalan

Website: atul-jalan.github.io | **GitHub**: github.com/atul-jalan | **Email**: atuljalan17@gmail.com | **Phone**: (310) 751-8012

EDUCATION

Northwestern University   **GPA: 3.80/4.00**
B.A. Computer Science   Expected Graduation: June 2022

- Selected Courses: Agile Mobile/Web Development, Human-Computer Interfaces, Algorithms

EXPERIENCE

Software Engineer Intern   June 2020 – August 2020
Integrated Design Automation Laboratory

- Led expansion of image upload and preprocessing flow to include custom image editing tools and metadata collection for materials science image analysis applications.
- Migrated image analysis alerts from email to real time by integrating Socket.io into REST APIs and security infrastructure.
- Conceived and led a web design workshop to teach PhD students how to build personal websites using GitHub Pages and Markdown.

Software Consultant   December 2019 – February 2020
Wal Logistics (Local Freight Forwarding Business)

- Architected and built a cloud database management application for a shipping logistics business clearing mid-six figure annual revenue to handle 500 monthly shipments across 7 domains.
- Boosted employee productivity 60% by introducing a customer portal to enable online shipment filing and status checks.
- Reduced onboarding from 40+ to 2 hours by prioritizing intentional design and removing over 40 functions that went unused in the legacy software.
- Fueled business growth by identifying strong and weak customer relationships via customer retention, invoice size, and frequency analytics.

PROJECTS

Carousel: Student group messaging   August 2020 – Present
Team of 2

- Spearheaded product and UI design for a mobile app to centralize student group communications onto a single platform by integrating event planning and group structure.
- Conducted market validation research via two dozen 1-1 conversations and a product survey released to 20,000+ students across 11 universities.

LEADERSHIP

Candidate Development Chair, *Sigma Nu Fraternity*   March 2020 – Current

- Led 3 assistant chairs in designing and executing a 10-week candidate development program for approx. 30 new members.

Lead Student Government Reporter, *The Daily Northwestern*   September 2018 – June 2019

- Cultivated relationships with student government leadership and university administration to write 26 articles over 9 months.

SKILLS

Front-end: React.js, Vue.js, React Native, JavaScript, HTML & CSS, Less.js
Back-end: Node.js, Express, MongoDB (NoSQL), Python, Socket.io, MATLAB
Technical Tools: AWS EC2, Docker, Git, Heroku Cloud
Organizational Tools: Slack, Notion, Asana