

Sayan Dutta

(252) 239-3355 • 54yan@pm.me • Raleigh, NC

supersayan.github.io • github.com/supersayan • linkedin.com/in/s4y4n

WORK EXPERIENCE

Associate Software Engineer - *Relias, Morrisville, NC*

Apr 2022 – Nov 2023

- Created full stack features for a job board used by over a million healthcare workers using Angular and Java Spring Boot, including note taking for applicants, a long-requested feature, improving customer satisfaction.
- Contributed to majority of frontend for a new Vue.js project built from scratch including profile management, web authentication, and content management with Craft to accomplish an on-schedule launch.
- Documented and instructed other engineers and testers on novel features, expediting both planning and testing and cutting QA turnaround.
- Took initiative to clean up and refactor code, create unit tests for 90% coverage, include accessibility features including keyboard navigation, and be the first to ask questions about overarching architecture goals, creating and leading epics.
- Approved for promotion within a year as the sole associate in a team of 10+ engineers.

Software Developer - *East Carolina University, Greenville, NC*

2019 - 2021

- Lead creation of educational sites using static site generators, creating a template to be used by instructors to create course content.
- After contributing to a React.js application, provided solutions for top-level architecture goals, deciding the framework that would be used by developers.
- Created dynamically generated data-based visualizations for the web using R Shiny.

Java Programmer – *WiderNet@UNC, Chapel Hill, NC*

2018 - 2019

- Created indices for multiple terabytes of web files using Apache Lucene.
- Implemented ranked searches and memory efficient indexing settings on samples to cut indexing time in half.

EDUCATION

Computer Science B.S. + Chemistry Minor

University of North Carolina at Chapel Hill Dec '21

- Serious Games: Developed the UI, algorithms, and architecture of an educational web game designed to teach basic logic concepts to middle schoolers. Presented deliverables, identified priorities, and delegated tasks. [JavaScript](#).
- Web Development: Solo developed a full stack web app with account creation and data logging. [Next.js](#). [Strapi](#).
- Other: Web Development, Databases and File Systems, Computer Security, Cryptography, Machine Learning.

SOLO PROJECTS github.com/supersayan

- SmashVIDs: Python application to catalogue over 2000 YouTube videos and automatically organize them into a Notion playlist with metadata from parsing titles.
- Schmaker: Web application to generate Google Calendars for NCSSM's school schedule, used by hundreds of students and iterated on by other developers.
- MazeRouge: Procedurally generated puzzle and exploration game in Java built from scratch with no framework.

SKILLS [JavaScript](#), [TypeScript](#), [Angular](#), [Vue](#), [React](#), [Svelte](#), [Node.js](#), [Java](#), [Spring Boot](#), [C++](#), [Python](#), [PHP](#), [Git](#)

520+ Volunteer Hours – NCSSM Alumni – Computer Science TA

HackNC 4 Year Competitor and Volunteer + Accessibility Award – UNC eSports Smash Co-Head