Anzhuo Wang

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EDUCATION

NORTHEASTERN UNIVERSITY   Boston, MA
Bachelor of Science in Computer Science   Sep 2022 – May 2026
  GPA: 3.70/4.00
  Honors: Dean's List, National Merit Scholarship
  Coursework: Human Computer Interaction, Object-Oriented Design, Computer Systems, Algorithms, Database Design

PUBLICATIONS

Enhancing auto-scoring of student open-responses in the presence of mathematical terms and expressions.
    International Journal of Artificial Intelligence in Education, 2022

EXPERIENCE

Software Developer/Head of Project Acquisition, Sandbox   Boston, MA
Jan 2023 - Present
- Implement new notifications management functionality for **SearchNEU**, an application with 800+ daily users.
- Develop production-ready pages and components in React following CI/CD pipeline, thoroughly testing with Jest.
- Engineered **Faculty Activity Tracker**, Next.js app serving 273 Northeastern faculty in completing administrative tasks.
- Architected backend API with filtering of data using Prisma ORM, added create and edit for activities and narratives.
- Grew frontend pages by 20% and created separate onboarding flows for professors, styling components with Tailwind.
- Lead screening, intake, and scoping of projects for an organization with 70 members, and established project slate for Spring 2024, coordinating project onboarding and handoff for continued impact beyond development.

Software Engineering Intern, ASSISTments   Worcester, MA
Jul 2023 – Aug 2023
- Generated comments and scoring with Python for students' math open response answers 70% faster by building RESTful API routes combining machine learning models on the *Quick-Comments* project.
- Performed thorough testing with Postman to ensure robustness of backend, and wrote testing plans and documentation, checked in at standups on team of 10 working in Agile engineering environment.
- Led initiative to integrate LLMs into project, applying prompt engineering strategies while mentoring junior intern, presenting work for knowledge transfer.

Machine Learning Research Intern, ASSISTments   Worcester, MA
Sep 2020 – April 2022
- Developed logistic regression models with sklearn improving on SBERT-Canberra models, increasing throughput by 42%.
- Created PostgreSQL database integrated into Python backend for automated logging, scaling to 300,000+ messages daily.
- Set up automated testing infrastructure with Cypress to improve bug-squashing and user experience on Vue.js application.
- Authored published paper on research examining improvements made to NLP models with mathematical expressions.

PROJECTS

mbpti   Aug 2023
- Developed API wrapper library in Python for the MBTA's V3 API supporting all endpoints for reading of schedules.
- Created objects representing data returned with requests in JSON and functions enabling both types of return values.

BuJava   Jun 2023
- Built object-oriented week-by-week bullet journal in Java with event editing, themes, and hyperlink functionality.
- Introduced session persistence by developing a custom file-format, along with parsing and generation functionality.
- Produced a self-contained JAR application with Gradle following MVC architecture and JUnit test-driven development.

CAMPUS INVOLVEMENT

Marketing Research Assistant, Asian American Center Intern, Student Government Association, Northeastern Pep Band

SKILLS

Languages/Frameworks: Python, Java, React, JavaScript, Typescript, Ruby, C, R, bash, NodeJS, Express
Databases/Tools: MySQL, PostgreSQL, Linux, Git, GitHub, VSCode, Jira, PyCharm, IntelliJ, GraphQL, Vercel