Junlin Chen

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About Me

A passionate student with a strong interest in Machine Learning and Software Development. Proficient in C++, Python, Java, and JavaScript, with experience in React.js, Express.js, and PyTorch. Skilled in developing intelligent systems and scalable applications, integrating software engineering with AI solutions. Continuously exploring new technologies and applying knowledge to impactful projects.

Education

Rutgers University–New Brunswick   Expected May 2027
Bachelor of Science double major in Computer Science and Mathematics (GPA: 4.00 / 4.00)   *New Brunswick, NJ*
- **Relevant Coursework:** Data Structures and Algorithms (Java), Computer Architecture (C), Intro to CS (C++), Linear Algebra, Math Theory of probability, Machine Learning Principles (Python)
- **Activity:** Rutgers Competitive Programming clubs, HackRU, RUMAD Mobile Development Club

Experience

INSPIRE Lab   Dec 2024 – Present
Research Intern   *Piscataway, NJ*
- Supervised by Professor Wajwa Waheed and collaborating with PhD candidate Cheng Fang.
- Researching and implementing distributed resilient systems, focusing on fault tolerance and scalability.
- Developing and evaluating algorithms for improving the robustness of distributed computing environments.

Association for Computing Machinery (ACM)   Dec 2023
Volunteer   *Shanghai, China*
- Assisted with event logistics for the ACM Asia Finals, ensuring smooth operations.
- Coordinated participant registration and provided technical support during the competition.
- Facilitated communication between teams and organizers, contributing to a successful event experience.

Projects

Personal Portfolio Website | *React.js, Bootstrap, JavaScript, Vercel*
- Developed a personal portfolio website to showcase projects and skills.
- Implemented a modern and responsive UI using Bootstrap.
- Utilized React.js for dynamic content rendering and efficient state management.
- Deployed the website on Vercel for seamless performance and accessibility.

Simple Calculator | *HTML, CSS, JavaScript, DOM Manipulation*
- Developed a simple calculator with interactive functionality.
- Designed a responsive user interface using HTML and CSS.
- Implemented JavaScript for DOM manipulation and event handling.

TodoList Web Application | *React.js, JavaScript, CSS Modules*
- Developed an interactive TodoList application with task addition, toggling, deletion, and filtering features.
- Utilized React Hooks (useState, useEffect) for efficient state management and lifecycle handling.
- Implemented modern JavaScript ES6+ features for clean and modular code structure.
- Ensured responsive design principles for optimal user experience across different devices.

Technical Skills

Programming Languages: C++, C, Java, Python, LaTeX, HTML, CSS, JavaScript

Technologies & Frameworks: React.js, Express.js, PyTorch

Core Competencies: Artificial Intelligence, Machine Learning, Data Structures, Algorithms