

Ricky Liang

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EDUCATION

- **Bachelor of Science in Computer Science, Software Engineering** *Aug 2023 - May 2027*
Louisiana State University *Baton Rouge, LA*
 - **Selected coursework:** Database Management Systems, Operating Systems, Linear Algebra
 - **GPA:** 3.7
 - **Club Officer Roles:** Society of Asian Scientists and Engineers Webmaster, GeauxHack Director

EXPERIENCE

- **Full-Stack Developer Intern** *Jun 2024 - Oct 2024*
Vinformatix *On-site*
 - Led a team of three interns through the full-cycle design and implementation of product specifications defined by a Senior Developer.
 - Mentored fellow interns to enhance technical skills and foster collaboration, contributing to team development and project success.
 - Delivered a Time Card tracker project that streamlined report generation and performance tracking for managers
 - Utilized React.js, SQL Server, and C#/.NET within a layered project architecture to build robust, scalable applications.
 - Assisted in maintaining and developing company template code, significantly reducing code clutter and improving project efficiency.
- **Teaching Assistant** *Aug 2024 - Present*
Louisiana State University *On-site*
 - Assisted in overseeing programming assignment labs for over forty students.
 - Facilitated small group discussions, enhancing understanding of complex topics and fostering a collaborative learning environment.
 - Developed skills in explaining concepts at various levels, tailoring explanations for both beginners and more experienced students to meet diverse learning needs.

PROJECTS

- **RENI** *Aug 2024 - Present*
Interior Design App, Louisiana State University
 - * Developed a comprehensive interior design layout generator using C#/.NET, implementing advanced two-dimensional matrix and graph algorithms to automate furniture placement.
 - * Designed and implemented algorithms for space optimization and furniture placement, utilizing 2D matrices and graph algorithms.
 - * Led project management efforts of a five person team, including defining project vision, creating design documentation, and coordinating team effort.
 - * Gained extensive experience in algorithm design, spatial analysis, and managing both technical and project delivery.
- **SASE@LSU Website** *July 2024 - present*
School Club Website, SASE@LSU
 - * Developed responsive React.js web application for SASE@LSU, implementing modular component architecture and modern web practices.
 - * Created comprehensive UX design using Figma, redesigning the club website with an intuitive navigation and modern interface.
 - * Serving 150+ active club members garnering more than 1500 views weekly, using Google Analytics to monitor website traffic.

TECHNICAL SKILLS AND INTERESTS

Languages: C#, C, Python, JS, CSS, C++, Java, SQL Server

Frameworks: React.js, .NET, Flutter

Dev Tools: Visual Studio, SQL Server Management Studio, Github, Azure DevOps, Figma, Unity Engine