

Henry Nguyen

(225) 454-3021 | Baton Rouge, LA | henryvnguyen57@gmail.com | [LinkedIn](#) | [GitHub](#)

OBJECTIVE

Software engineering student with full-stack development experience. Currently looking for positions in full-stack development involving JavaScript/React.js or software development in Python/Java.

EDUCATION

Louisiana State University (LSU), Baton Rouge, LA

August 2020 – May 2024

Bachelor of Science, Computer Science; Minor, Mathematics; GPA: 3.56

Coursework: Advanced Data Structures & Algorithm Analysis, Computer Organization & Design, Operating Systems, Artificial Intelligence, Programming Languages, Software Systems Development

Awards: President's List (Fall 2020), Dean's List (Spring 2021), 2022 Bloomberg Global Trading Challenge (Top 1%; 4th of 984 teams globally)

SKILLS

Programming Languages: Python, Java, C++, Dart, C, JavaScript, HTML, CSS, Node.js, MATLAB

Frameworks: Bootstrap, React.js, Flutter, Firebase, MongoDB

Tools: Visual Studio Code, Figma, Notion

Configuration Management: GitHub, Git

Other: Agile/Scrum, requirement analysis, documentation, usability testing, Vietnamese (reading/speaking proficiency)

WORK EXPERIENCE

Research Assistant | *LSU Dept. of Mathematics, Baton Rouge, LA*

January 2022 – August 2022

- Collaborated with a diverse team of professors and graduate students to discover new approaches on how to effectively control theoretical marine robot movement
- Explored stochastic differential equations (SDE) and Euler-Maruyama method concepts in order to accurately model the robot's Brownian motion
- Created a simulation to model the curve tracking movement of a marine robot using NumPy and Matplotlib libraries to represent SDE concepts and accurate simulation plotting respectively
- Reviewed multiple pieces of research literature related to curve tracking and boundary following to further deepen understanding of how a marine robot maneuvers and navigates an unknown environment

PROJECTS

Elapsed: A Swim Timer App

August 2022 – December 2022

- Collaborated with a team of 5: actively communicated on app development in initial design, implementation, and delivery; presented in front of industry panel and received positive feedback on future direction of the application
- Developed a mobile app to help coaches track and store lap times for future logistics and decision making
- Integrated Flutter bloc into application for seamless state management
- Applied Agile methodologies to efficiently manage and progress development of the application

ORGANIZATIONS & VOLUNTEER

Hackathon Co-Head | *SASE LSU Geaux Hack*

August 2022-September 2022

- Organized the inaugural Geaux Hack under SASE LSU in order to provide LSU computer science students the opportunity to showcase their technical skillset
- Created the ruleset, problem prompts, web development workshops, and grading specifications vital to the event
- Actively communicated with industry software engineers and venture capitalists to gain technical feedback on hackathon operation and form judging panel respectively
- Collaborated with fellow co-head in operating Geaux Hack and designated tasks to fellow SASE officers during live event days

Professional Development Chair | *Society of Asian Scientists and Engineers, Baton Rouge, LA* **April 2022 – Present**

- Empower Asian heritage scientists and engineers for success in the global business world through professional development opportunities such as resume and public speaking workshops
- Launched a resume booklet consisting of 50+ resumes for sponsorship opportunities from companies interested in interacting with STEM resources of diverse Asian background
- Collaborated alongside other officers of the student organization to efficiently manage the LSU chapter