

Justin Woodring

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Profile

I'm a hardworking Computer Scientist with a passion for learning and sharing knowledge. I possess excellent communication skills and a strategic mindset with which I enjoy tackling problems. Currently, I'm attending Louisiana State University in pursuit of a Computer Science Ph.D.

I graduated with a degree in Computer Science and an accompanying two minors in both Physics and Math from Southeastern Louisiana University.

Although I excel in most technical fields / pursuits, I have found my interests lie primarily around Quantum Computing and Machine Learning oriented research.

Experience

Associate DX Software Engineer
Blue Cross Blue Shield of Louisiana 2023 – Pres.

- Achievements/Tasks:
- Maintained and modernized public facing web applications as they were migrated to the cloud.

Intern Software Developer
Elevator3 2022 – 2023

- Achievements/Tasks:
- Worked with a team to continue the ongoing development of a web project for a client utilizing technologies such as Azure, .NET and Entity Framework.

Skills & Strengths

- Desire to Learn, Critical Thinking, Effective Communication & Collaboration Skills
- Calculus, Statistics, Linear Algebra
- Programming in Rust, C, Python, Scala, C#, .NET, Java, SQL, Javascript
- Experience with AWS, Azure, Kubernetes, Docker, Github.
- Experience with quantum tech such as qiskit, Q#, Azure Quantum, pennylane, AWS braket, IBM quantum exp.
- Background in Math and Physics.

Education

Ph.D Student of Computer Science
Louisiana State University 2023 – Pres.
Researching quantum computation, cybersecurity, and machine learning.
Cumulative GPA: 4.1

B.S. in Computer Science
Southeastern Louisiana University 2018 – 2022
Obtained Minors in Math & Physics
Cumulative GPA: 3.72
President's List for all semesters.

Organizations

Sigma Pi Sigma (Physics Hnr Society) 2023 – Present
Association Computing Machinery 2019 – Present
Southeastern Honors Association 2019 – Present

Computer Science Intern
Naval Research Laboratory 2020 – 2022

- Achievements/Tasks:
- Designed and implemented an API and web application that integrated with CAC technology, handling user SSO account creation requests.

Technology Assistant
Student Publications of Southeastern 2018 – 2019

- Achievements/Tasks:
- Developed an end-to-end solution that digitized the recording of physical newspaper stand throughput data and presented location performance as a heat map.