

KAYLIE SAMPSON

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EDUCATION

Dartmouth College, Hanover, NH

June 2025

Bachelor's Degree, intended Major in Computer Science:

GPA 3.9/4.0

Activities: CoderDojo, Women in Computer Science, NCWIT Campus Representative

Relevant Coursework: Introduction to Programming and Computation, Problem Solving via Object-Oriented Programming, Software Design and Implementation, 3D Digital Modeling

Harvard Extension School, Cambridge, MA

August 2020

Summer 7-week remote program:

Relevant Coursework: Introduction to Mobile Application Development using Swift and IOS

Plymouth Regional High School, Plymouth, NH

June 2021

Honors/Awards: Java Programming Award, NCWIT Award for Aspirations in Computing

GPA 98.24/100

Relevant Coursework: AP Computer Science A, Java Programming, Advanced Visual Basic

RELEVANT EXPERIENCE

Pegasystems, Salem, NH

June 2022 – Present

Software Engineer Intern – Cloud-Native Runtime

- Develops resources that support microservices, internally used testing infrastructure, and related features
- Participates in daily standup, sprints, and full agile process as part of a team of five software engineers
- Utilizes Docker, Gradle, and Jenkins to build and implement tests

Rewriting the Code, Durham, NC

June 2022 – Present

Student Council Peer Leader - Remote

- Amplifies the voice and values of first-year/sophomore undergraduate women studying computer science
- Serves as an active contributor concerning policies or actions adopted by RTC
- Participates in leadership learning workshops as part of the RTC Rising Leader Institute

Dartmouth Applied Learning and Innovation (DALI) Lab, Hanover, NH

January 2022 – June 2022

Software Engineer & Designer

- Collaborated closely with a team of four undergraduates to design, prototype, build and deploy a functioning app
- Developed front and back-end logic for mobile applications using React, React-Native, and Redux

Women in Computer Science, Hanover, NH

January 2022 – June 2022

Recruiting Chair

- Conducted meetings for recruiting preparation, technical interview practice, and organized interview workshops
- Managed relationships with company recruiters and the Center of Professional Development at Dartmouth

PROJECTS

Rüm (with the DALI Lab)

January 2022 – June 2022

Software Engineer & Designer

- Designed an application to manage communication between roommates by performing industry research, creating user flows, prototyping on Figma, and conducting user testing
- Developed the front and back-end of a mobile application using React-Native and MongoDB
- Implemented functionality for a calendar screen, allowing for the creation and approval of calendar events

Testnode

September 2020 – October 2020

Congressional App Challenge Participant

- Built a mobile application using Swift and IOS that creates and sends forms to testing centers to make the process of getting tested for Covid-19 more efficient
- Improved mobile application development skills in a competitive environment with other students

SKILLS & INTERESTS

Technical: Python, Java, JavaScript, C, Swift, Bash, HTML, CSS, React/React-Native, Visual Basic, MongoDB

Interests: Scrapbooking, Travelling, Tennis, Cross-Country Skiing, Waterskiing, Weightlifting