HELEN M. SOLOMON

(she/her/hers)

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Education

North Carolina State University, Raleigh, NC   (Aug 2019 - May 2023)
Bachelor of Science, Computer Science
Minor, Business Administration

Relevant Coursework: Data Structures, Object Oriented Principles, C and Software Tools, Software Engineering, Software
Development Fundamentals, Discrete Mathematics, Intro to Data Science, Financial Management

Experience

CSC Research Assistant   (Sep 2022 – May 2023)
Computer Science Department at NC State University, *Raleigh, NC*
- Studied web foraging patterns of software professionals/students participants by reviewing transcripts of completed coding tasks and organized observed behaviors into various cues and strategies based on the principle of Information Foraging Theory (IFT)
- Collaborated with research team members to analyze data documented on Excel sheets and looked for any notable differences in web foraging patterns between men and women participants in our study, while considering the possible effects of the gender spectrum
- Funded by the Department of Defense and our results aim to find conclusive data to support the implementation of a recommendation tool for developers
- Submitted a paper detailing our findings under the Human-Centric Software Engineering Lab, utilizing LaTeX for document preparation and formatting, and was accepted by the Journal of Computer Languages
  - Abim Sedhain, Vaishvi Diwanji, **Helen Solomon**, Leon Shahnewaz, Riley Raasch, Sandeep Kaur Kuttal, Developers' Information Seeking in Question & Answer Websites through a Gender Lens, Journal of Computer Languages, 2023 (accepted).

Software Engineering Intern   (May 2022 – Aug 2022)
VMware, *Remote*
- Researched ways to visualize testing metrics for the Networking team, specifically to enhance readability and efficiently evaluate significance of code changes between builds
- Created a visual representation of networking stats through colored bar graphs within a Jenkins job using Jenkins Plot plugin that performed metric comparisons across multiple builds
- Presented results of project to VMware network with live chat

Software Engineering Intern   (Jan 2022 – May 2022)
LexisNexis, *Raleigh, NC*
- Implemented an algorithm that would filter out insensitive terminology within tech documentation and be replaced with acceptable text (master → main, black box tests → system tests, etc.)
- Improved readability of the LexisNexis Tech Radar site by providing icons/images for development tools listed and calculated read time for each description, utilizing Ruby on Rails and Tailwind CSS
- Discussed humanitarian efforts taken through the company with my internship manager to take inspiration for future business opportunities

Intro to Java (CSC116) Teaching Assistant   (Aug 2021 – Dec 2021)
Computer Science Department at NC State University, *Raleigh, NC*
- Provided support for students by attending lectures, holding weekly office hours, and communicating by email for one-on-one assistance
- Discussed point distribution for assignments with professor and co-TA, graded assignments of half the class and evaluated overall performance of students to determine what professor needed to review next lecture
- Recorded attendance for each lecture
- Collaborated with other TAs and our supervisor to identify better ways to help students in course by attending classes for TAs that honed our communication skills and resourcefulness

Stocker
HK Mart, *High Point, NC*   (Mar 2014 – Apr 2018)

- Worked collaboratively with colleagues to achieve stocking and replenishment goals
- Demonstrated the ability to work in a fast-paced environment without compromising accuracy
- Assisted customers in locating products and responded to customer inquiries while providing helpful information

Skills

Languages:	Java, C, C#, Python, Markdown, LaTeX
Web technologies:	CSS, HTML, Ruby on Rails, AngularJS, Tailwind
Databases:	MySQL
Frameworks:	Spring, Hibernate, REST, JUnit
Operating Systems:	Windows, Linux, MacOS
Tools:	Jenkins, Git, Eclipse, Visual Studio, VS Code, Microsoft Office
Soft Skills:	Problem Solving, Communication, Teamwork, Adaptability, Customer Experience
Clubs:	Engineers Without Borders (EWB), Women in Computer Science (WICS), Code Black

Certifications

- Ethics of Sustainable Development, Nepal–Online (TGP) 2021
- Responsive Web Design Certification (freeCodeCamp) 2021