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CATHERINE JONES

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EDUCATION
MEREDITH COLLEGE

B.S. in Computer Science with minors in Mathematics and Graphic Design   Graduated: August 2019

RELEVANT EXPERIENCE
USER INTERFACE INTERN

Ansible, RedHat   **Summer 2019**
- Worked on GitHub issues to address bugs and features for the in-development React.js version of the Ansible UI
- Utilized React and environment tools such as Docker and GCloud, as well as a UI design framework (Patternfly) to build and edit components

TECHNOLOGY DEVELOPMENT PROGRAM INTERN

Optum, United Health Group   **Summer 2018**
- Worked efficiently in an Agile Team workflow to produce a web application which was presented in a shark tank-style stakeholder meeting and ranked in the overall top three products for all intern teams
- Participated in the patent disclosure process and submitted a final patent for a highly recognized product
- Created a responsive front end by utilizing BootStrap, HTML & CSS, and JavaScript components, while ensuring an easy-to-navigate flow between pages
- Designed wireframes and functionality in the web app using Sketch, and designed the UX flow using Craft by Invision to connect the wireframes

STUDENT RESEARCHER

Web and Mobile Applications REU, University of North Texas   **Summer 2017**
- Utilized C++, Python, and MATLAB to create and implement a deep neural network over encrypted data
- Used homomorphic encryption to encrypt plaintext datasets for training and testing use by the deep neural network (using the HElib in MATLAB)
- Contributed research to published paper, "Privacy-preserving Machine Learning in Cloud"

TECHNOLOGY SERVICES HELPDESK STAFF

Student Training and Technology (STAT) Team in Technology Services, Meredith College   **Fall 2016-Spring 2017**
- Resolved and communicated about issues involving network downtime, software troubleshooting, and phishing
- Supported the department's outreach efforts through social media and website management

SUPER SATURDAY PROGRAM (SSP) MEREDITH COLLEGE STUDENT LIAISON AND VOLUNTEER

PAGE, Raleigh NC   **Fall 2016-Spring 2017**
- Helped lead the "Intro to Intermediate Coding" course for academically-gifted students in grades 3-5
- Recruited, organized, and assembled all needed volunteers for the Super Saturday event held each semester by assessing their majors, qualifications and interests and then determined their best fit

TECHNICAL SKILLS
- Frontend Development**: HTML, CSS, Sass/Less, React.js, Angular, Bootstrap, JavaScript (ReactJS), jQuery**
- Backend Development and Databases**: Java, JavaScript (Node.js), C, PHP, SQL, MongoDB, Drupal**
- Design**: Adobe Suite (Adobe Illustrator, Photoshop, and InDesign), Sketch, Invision, Maya**
- Data Analysis**: Python, C++, MATLAB**

LEADERSHIP & INVOLVEMENT
- **President**, Canaday Mathematics and Computer Science Club, 2017-2019, Meredith College
  - Founded "Pi Week", "Ada Lovelace Week", as well as a series of coding workshops at Meredith College
- **2019 Class Senator**, Meredith College SGA Senate
- **President**, Silver Shield Honors Society, 2018-2019, Meredith College
- **Honors Program Committee Member-at-Large**, Honors Program, 2017-2018, Meredith College
- **Member,** Association for Computing Machinery

HONORS AND AWARDS
- Eleanor Reuer Award for "Sous la Mer", *Meredith College Annual Juried Art Exhibition*, 2019
- 1st Place, *Vivian Kraines' Mathematics Competition at Meredith College, 2015 & 2016*

- *Dean's List at Meredith College*
- *Alpha Lambda Delta Honors Society Member*
- *Silver Shield Honors Society Nominated Member* for Fall 2018
  - One of three students from Meredith College's junior class chosen for this service-based honor