**WEN Yiting, Tina**

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**EDUCATION**

**Virginia Polytechnic Institute and State University (Virginia Tech)** Aug 2021 - May 2025 [anticipated]

*B.S. Computer Science*  Blacksburg, VA

* GPA: 3.78/4.0; GRE: 165V, 168Q
* Attained President’s List (one semester, GPA 4.0) and Dean’s List (five semesters, GPA above 3.4)

**INTERNSHIP EXPERIENCE**

**Applied Research LLC** Jun 2024 - Aug 2024

*Software Development Intern*  Remote

**Skills Acquired:** Proficient in HTML, CSS, JavaScript, React, Material-UI

* Developed a web-based data monitoring tool for *Jefferson Lab,* a US Department of Energy National Laboratory, to streamline their data analysis and processing workflows
* Implemented dynamic and reusable components using React and Material-UI, improved the modularity and user experience of the application
* Optimized state management and event handling, contributed to codebase modularity and maintainability, enhanced the system's scalability and enabled effective integration with other subsystems
* Liaised between cross-functional teams, including Jefferson Lab supervisors, Old Dominion University faculty, and data analysts, to deliver technical solutions for internal use by researchers

**RESEARCH EXPERIENCE**

**Virginia Tech CS Genome Research Lab**  Jan 2023 - May 2023

*Research Assistant, The Hidden Figures Project, Supervisor: Prof. Margaret Ellis* Blacksburg, VA

* Developed a Python-based database interaction layer, streamlined data extraction and transformation for high-performance computing (HPC) research, reviewed literature and collaborated with stakeholders to complete records
* Designed and deployed a Timeline.js visualization tool, highlighted the contributions of +150 women in the field of HPC, ensured accurate data categorization by contribution area, race, birth year, and disability status
* Spearheaded efforts to enhance the API group’s usability by creating tools that facilitated data transfer efficiency between computing resources
* Honored with the *VTURCS 2nd Place People’s Choice Award* in recognition of contributions to computing research

**PROJECT EXPERIENCE**

**React Temperature Conversion APP** Aug 2024 - Sep 2024

*Individual Report, Field: GUI Programming/Graphic* Blacksburg, VA

* Drawn on the Model-View-Controller (MVC) design pattern, proposed a React-based graphical user interface to implement a temperature conversion tool between Celsius and Fahrenheit
* Built +5 modular React components (App, Header, Selector, Display, and Convert) to create an interactive interface, in which users can input temperatures and select the scale using dropdowns, with conversions displayed in real-time
* Integrated detailed state management using React hooks and designed the UI using custom CSS styling
* Provided error handling and guided user interactions, improved application usability and ensured seamless navigation

**Duck Pond App Project** Feb 2024 - May 2024

*Team Leader & UI/UX Designer, Field: Human Computer Interaction* Blacksburg, VA

* Led a team of 4 students in designing an educational mobile app aimed at informing and engaging visitors in the natural and historical aspects of Virginia Tech’s Duck Pond, coordinated tasks and field research to ensure accurate content and design alignment
* Utilized Figma for prototyping and Sketch for wireframe design, managed feedback retrieved from structured user testing guided by specific questions, improved app usability, functionality, and overall user experience, presented research outcomes to a diverse audience, including peers and professor, achieved positive regards regarding the holistic approach

**LEADERSHIP EXPERIENCE**

**Assistant Proctor, Services for Students with Disabilities (SSD), Virginia Tech** May 2023 - Present

* Assisted with check-in/check-out procedures, sorted and scanned completed exams, and managed communication between professors and students

**CS Ambassador, Virginia Tech** Aug 2023 - May 2024

* Volunteered at major departmental events, including the *CS Career Fair* and competitions like the *ICPC USA Regional Contest*, assisted with event coordination and student engagement

**TECHNICAL SKILLS**

**Programming Languages:** Python, Java, C, SQL, HTML, CSS, JavaScript

**Developer Tools**: Git, MySQL, Visual Studio Code, Eclipse, React, Material-UI, Figma, Miro