ELIZABETH MILLER

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EDUCATION

B.S. IN COMPUTER SCIENCE *May 2022*

Towson University | Baltimore, MD

- **GPA:** 3.846
- **Achievements:** Awarded the Jess Fisher memorial scholarship covering full in-state tuition for academic excellence in Computer Science

TECHNICAL SKILLS

Programming Languages: Java, JavaScript/ES6+, C++, Kotlin
Design Coding: MVVM, Singleton, Factory
Libraries and Toolkits: React.js, Node.js, Express.js, Jetpack Compose, Gradle
Databases: SQL, NoSQL, MongoDB

WORK AND LEADERSHIP EXPERIENCE

CISE RESEARCH INITIATION INITIAVTIVE *January 2020 - Current*

Towson University | Towson, MD

- Aided the development of an improved permission architecture for Android applications to address ethical data privacy concerns of privacy policies.
- Used natural language processing to analyze 2,044 privacy policy statements for 47 different applications on the Google Play store.
- Developed a case study and research paper "Intent-Aware Permission Architecture: A Model for Rethinking Informed Consent for Android Apps", which was approved by the ICISSP.
- Assisted in the development of a malware classification and cybercrime investigation system by processing over 15,000 files and 3,000 images from applications containing malware.
- Collected data from malware samples using the Genymotion Android Emulator in conjunction with the Python program adbautomate.

VICE PRESIDENT, SOCIAL CHAIR, & SAFETY OFFICER *May 2019 – December 2021*

Towson Field Hockey Club | Towson, MD

- Obtained a CPR, First Aid and AED certification to maintain the physical safety and wellbeing of 51 players.
- Organized and led 90 team practices.
- Managed 4 team social media accounts with 841 total followers, keeping all players and fans updated on team events.
- Promoted a supportive environment within the club sports community by organizing events to spectate other university sports games.

DATA ENTRY ASSISTANT *June 2018 – August 2020*

Clark's Pools | Wilmington, DE

- Implemented a digital-filing solution to sort client pool installation data using Microsoft Excel.
- Reorganized over 2,500 client data documents after initial data entry.
- Checked source documents to ensure accuracy in all data-entry tasks.

SUBSTITUTE PARAPROFESSIONAL *January 2019 – January 2020*

ESS | Wilmington, DE

- Aided teachers and educators in 10 different inclusive classrooms in 6 different schools.
- Worked with diverse populations of students among many different age groups ranging from kindergarten through 8th grade.