**Molly Isaac**

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**EDUCATION**

**Washington University in St. Louis University of Missouri in St. Louis**

Major: Computer Science; Minor: Arabic Course: Programming Languages

GPA: 3.99; Dean’s List all semesters Grade: 4.0

Expected Graduation: May 2022 Summer 2020

**Arab American Language Institute in Morocco (AALIM) St. John’s School, Houston**

Course: Intensive Arabic language GPA: 98.06

GPA: 4.0 Diploma May 2018

Summer 2019

Selected Coursework: Data Structures and Algorithms, Object Oriented Software Development, Introduction to Systems Software, Introduction to Computer Security with a Capture the Flag Studio

**RELEVANT SKILLS**

Programming Languages: Proficient – Java, C++; Beginner – C, Python, Racket, Prolog, HTML

Language Skills: Proficient – Modern Standard Arabic; Beginner – Darija (Moroccan Arabic)

**PROJECTS**

**Personal Website --** <https://mollyisaac.github.io/molly-isaac/index.html> **Aug 2020**

* Built from scratch using HTML and CSS, and hosted on GitHub Pages

**Tic-Tac-Toe and Gomoku in C++ Mar-May 2020**

* Developed both games as two player games that ask each player to take turns until a player wins, the game is a draw, or either player quits
* Implemented using object-oriented programming and polymorphic inheritance

**PROFESSIONAL EXPERIENCE**

**Calculus Residential Peer Mentor Aug 2019-Present**

* Host six tutoring hours weekly for students in Calculus II
* Teach and clarify concepts from the lectures
* Incorporate homework help, concept understanding, and test preparation for students with different learning styles

**Social Analytics Executive Leadership Team, Dept of Veterans Affairs Sept-Dec 2020**

* Oversee a team of six analytics interns to ensure they understand and complete their assignments in a timely manner
* Analyze the Department of Veterans Affairs’ social media accounts to better serve the veteran community, using Social Studios and Google Analytics
* Develop an independent project to analyze the impact of social media offerings of resources for veterans

**Teaching Assistant for Data Structures and Algorithms Sept-Dec 2020**

* Lead a group of students through weekly studios on new material

**National Security Intern for Wesley Hunt Jul-Oct 2020**

* Analyzed national security issues and political topics pertaining to Texas’ 7th US Congressional District
* Composed three briefs every week to inform the campaign staff on major issues that affect the district
* Focused on the developments of the peace process in both Afghanistan and Israel, the escalating tensions with China, the latest threats to election security, and the development of new military technologies

**Finish Line Sports Youth Run Camp Coach Jul 2017, Jul 2018**

* Coached youth run camp for ages 6 to 18
* Ran with runners and encouraged them through morning workouts three times a week throughout the month of July

**ACADEMIC ACHIEVEMENTS AND AWARDS**

* St. John’s School Gold Presidential Community Service Award (2014-2018)  
  1,372 hours of service throughout high school
* St. John’s School H. Scott Caven III Memorial Scholarship (2018)  
  One of the two highest awards at St. John’s School, awarded for a passion for learning, teamwork, good sportsmanship, humility, compassion for others, positive attitude, integrity strong work ethic, and a drive for excellence in academics, athletics, and leadership

**EXTRACURRICULAR ACTIVITIES, LEADERSHIP, AND VOLUNTEERING**

* Women in Computer Science member (2020)
* Run Club member (2018-2020)
* ESL Tutor at Maplewood Richmond Heights High School (January to March 2020)
* Army ROTC (Spring 2019)
* Community Service Officer (2014-2018), St. John’s School Varsity Track and Field (2015-2018, Captain 2018), International Club Co-President (2016-2018)
* Cross Country Assistant Coach (2015-2017)
* Volunteer Project Leader for Special Olympics (2015, 2017, and 2018), Lower School Books and Breakfast (2015-2018), Care Bags for the Homeless (2016-2018), Kindergarten Science (2016-2018), and Birthday Party Project (2015-2018)