

Mitchell Nelson

Education

- 9/2016 **University of St. Thomas - Computer Science, (Saint Paul, MN).**
To Present
 - GPA: 3.92
 - Dean's Honors List - 5 of 5 Semesters
 - Expected Graduation (with B.S. degree) May 2020

Experience

- 9/2018 **Research Assistant, UNIVERSITY OF ST. THOMAS (Saint Paul, MN).**
To Present
 - Program high performance parallel code to optimize GPU performance for bit-map compression algorithms
 - Develop test suites to measure execution time of code run on both the CPU and GPU
 - Utilize independent work and learning skills

9/2018 **Teaching Assistant, UNIVERSITY OF ST. THOMAS (Saint Paul, MN).**
To Present
 - Evaluate and grade projects coded by students taking an introductory programming course

2/2018 **Web Development Intern, UNIVERSITY OF ST. THOMAS (Saint Paul, MN).**
To 8/2018
 - Developed a responsive homepage geared for student productivity that is now the default homepage for all students using on-campus computers (8,000 visits per day)
 - Tested front-end code across a variety of devices and browsers spanning a wide range of screen resolutions
 - Communicated with clients to design and implement custom elements into their web pages

Notable Projects

- Personal **Sign Finder.**
(With Partner)
 - Created a tracking tool for temporary construction signs using Google Maps API as a foundation

Team of 4 **Safety Play-book.**
 - Designed and implemented a football play-book that incorporates safety based off of player parameters such as injury, history, weight, and height as part of a 24 hour hackathon coding challenge

Class **Process Scheduler.**
 - Implemented a Processes Scheduler built to handle First Come First Serve, Round Robin, Preemptive Priority, and Shortest Job First scheduling algorithms

Technical skills

- Proficient In: C/C++, Java, CUDA, CSS, GitHub, Linux, Mac OSX
Experience In: Python, PHP, MySQL, HTML, JavaScript, R, L^AT_EX

Leadership and Activities

- 9/2018 **Vice President, COMPUTER SCIENCE CLUB.**
To Present
 - Organize weekly informational meetings for an active university club with about 60 members

9/2016 **Member / Drummer, JAZZ ENSEMBLE.**
To Present
 - Prepare for and perform in an audition-based ensemble