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| **EDUCATION**    **SKILLS**  **EXPERIENCE**  **2019**  **2017**  **PROJECTS**  **2019**  **2019**  **2018**  **ADDITIONAL** | UNIVERSITY OF MICHIGAN Ann Arbor, MI College of EngineeringBachelor’s in Computer Science, May 2021 **GPA:** 3.75/4.00 – University of Michigan Dean’s List, 2019  **Coursework:** Intro to Data Structures, Data Structures and Algorithms, Discrete Math, Computer Organization, Data Mining and Statistical Learning  **Clubs/Project Teams**: Michigan Autonomous Aerial Vehicles, Bursley Multicultural Council, Science Olympiad  **Programming:** C++, C, MATLAB, Python, BASIC, R  **Web:** JavaScript, React, HTML + CSS  **Tools:** Linux, Bash, Visual Studio Code, Git, DevOps, Agile, Jira  **XOPS, INC** New York, NY  **Software Development Intern, Summer 2019**   * Learnt React within two weeks to develop additional functionality and resolve front-end software issues in xSUM, a web performance tool. * Collaborated with team members using daily Scrum meetings, ranging from planning Sprints in Jira to assisting with debugging issues and technical knowledge while receiving similar aid. * Documented and solved issues with setup and compatibility of development environment across different systems, decreasing the setup time for software team and new users.     **COMPCITI BUSINESS SOLUTIONS, INC** New York, NY  **Computer Engineering Intern, Summer 2017**   * Collaborated with network engineers on-site at client’s offices in upgrading and maintaining computer networks, troubleshooting software issues, and building computers in both individual and team tasks. * Decreased total hours spent on-site during July and August allowing CompCiti to devote additional resources to upgrading existing infrastructure and decommissioning old technology, cleaning up and modernizing the company.   **AUTONOMOUS DRONE OBSTACLE NAVIGATION** Ann Arbor, MI  **Team Programmer**   * Worked with a 4-person team to setup a custom-built quadcopter using an Arduino, BeagleBone Blue board and Mission Planner software. * Implemented and tested PID control and response filters to calibrate the drone’s movement. * Developed obstacle avoidance algorithms for vertical/horizontal/slant blocks in C++.   **COMMAND LINE EUCHRE** Ann Arbor, MI  **Co-Programmer**   * Utilized C++ to make a command line interface for a single/multiplayer Euchre, a card game. * Developed complex and random bot strategies to challenge and engage players, creating a traditional game environment. * Tested and debugged using unit test framework macro, running numerous simulated games.   **SMART IMAGE RESIZING WITH COMPUTER VISION** Ann Arbor, MI  **Co-Programmer**   * Built an image resizing algorithm in C++ that weighs sections of an image and removes unnecessary pixels to retain important details. * Implemented the seam-carving algorithm for content-aware resizing. * Researched quantitative applications of a Michelson Interferometer and received 3rd at NY Science and Engineering Fair and Outstanding Project Award at LISEF. * President of Orchestra, Member of TRI-M Honor Society, String Ensemble, and District Group. * Tutored students for SAT, ACT, and classwork through National Honor Society, 2018. * AP Scholar with Distinction and National Merit Commended Scholar, 2017. |

**SCIENCE OLYMPIAD New Hyde Park, NY**

**President, 2017-2018**

* Administered and led weekly club meetings to prepare work-intensive team projects for the Nassau Science Olympiad; Individual top-10 rank in Programming and Electric Vehicle.
* Facilitated meetings with Department Chair to fundraise, schedule and register students, deal with project conflicts, and design weekly presentations and progress discussions.