

ANDREW BLOCKI

715 John A. Woods Drive • Ann Arbor, MI 48105
AndrewBlocki.com • arblocki@umich.edu • (248) 880-1361

EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering Bachelor of Science in Computer Science, May 2021 <ul style="list-style-type: none">Cumulative GPA 3.4/4.0Completed Coursework: Data Structures and Algorithms, Programming and Introductory Data Structures, Discrete Math, Linear AlgebraFall 2019 Coursework: Intro to Computer Organization, Database Management Systems COURSERA.ORG <ul style="list-style-type: none">Completed 8 courses in Web Development & Design, including responsive front-end (HTML, CSS, JavaScript, jQuery, Bootstrap) and back-end (PHP, SQL) development basics	Ann Arbor, MI
PROJECTS	Log Manager [C++] <ul style="list-style-type: none">Built object-oriented log-management tool for efficient searching/sorting of software filesImplemented time and memory-efficient algorithms to analyze contents of thousands of log entries in seconds Euchre Simulator [C++] <ul style="list-style-type: none">Developed Euchre card game simulation that users play within Ubuntu terminalUsed object-oriented programming and polymorphic classes to represent players that either follow strategy automatically or are controlled by user Project Siren – ProjectSiren.me [PHP, SQL, JavaScript, Bootstrap] <ul style="list-style-type: none">Engineered web app with Spotify Web API that allows Spotify users to generate new playlists of recommended songs based on select current playlists & favorite songsProgrammed PHP scripts to collect and analyze data from playlists and artists on SpotifyDesigned MySQL database to track user login and playlist creation Personal Website – AndrewBlocki.com [HTML, CSS] <ul style="list-style-type: none">Created personal website from scratch using HTML5 & CSS3, with responsive front-end design for desktops, tablets, and mobile devices	
EXPERIENCE Summer 2019	NLB CORPORATION Information Technology Intern <ul style="list-style-type: none">Refactored SQL queries to new database, improving query response time by up to 80%Automated data processing for Quality Control team by implementing Visual Basic software within existing Excel spreadsheets as well as JavaScript within fillable PDF formsPerformed routine updates and repairs of PC, printer, and server hardware	Wixom, MI
Summer 2018	TOOLING AND EQUIPMENT SERVICE SOLUTIONS Quality Control Technician <ul style="list-style-type: none">Deployed 300+ Amazon Robotics systems in world's largest Amazon Robotics facilityCollaborated with Amazon engineers to solve safety system functionality issuesConducted multiple quality control checks on all warehouse and computer equipment	Detroit, MI
ADDITIONAL	<ul style="list-style-type: none">Constructed and continually upgraded 3 custom PCs for gaming and productivity usageMade video game emulation system using Raspberry Pi 3 and Linux-based OSACT Composite Score: 34; International Baccalaureate Diploma recipient	