

ANDREW BLOCKI

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EDUCATION	UNIVERSITY OF MICHIGAN College of Engineering Bachelor of Science in Computer Science, May 2021 <ul style="list-style-type: none">• Cumulative GPA 3.4/4.0• Completed Coursework: Data Structures and Algorithms, Programming and Introductory Data Structures, Discrete Math, Linear Algebra• Fall 2019 Coursework: Introduction to Computer Organization, Database Management Systems	Ann Arbor, MI
PROJECTS	Euchre Simulator [C++] <ul style="list-style-type: none">• Developed Euchre card game simulation that users play within the Ubuntu terminal• Used object-oriented programming and polymorphic classes to represent players that follow a strategy automatically or are controlled by the user Image Compressor [C++] <ul style="list-style-type: none">• Created a content-aware resizing tool that allows users to change the aspect ratio of pictures without distorting the image• Implemented a seam-carving algorithm that finds and erases seams of pixels within the image until the desired size is achieved Personal Website – arblocki.github.io [HTML, CSS] <ul style="list-style-type: none">• Developed a personal website from scratch using HTML5 and CSS3• Implemented a responsive front-end design for desktops, tablets, and mobile devices	
EXPERIENCE	NLB CORPORATION Information Technology Intern <ul style="list-style-type: none">• Refactored SQL queries to a new database, improving query response time by 50%• Automated data processing for the sales team by implementing Visual Basic software within existing Excel spreadsheets• Performed routine updates and repairs of PC, printer, and server hardware	Wixom, MI
Summer 2019	TOOLING AND EQUIPMENT SERVICE SOLUTIONS Quality Control Technician <ul style="list-style-type: none">• Deployed over 300 Amazon Robotics systems in the largest Amazon Robotics facility in the world• Conducted multiple quality control checks on all warehouse and computer equipment• Collaborated with Amazon engineers to solve problems with functionality of safety systems	Detroit, MI
Summer 2018	NLB CORPORATION Parts Associate <ul style="list-style-type: none">• Managed precise inventory cycle counts of thousands of water jetting parts• Processed over 1000 lbs. of ground and freight shipments every week to 7 regional branches across the United States• Assisted in receiving 60-100 packages of incoming parts every day	Wixom, MI
Summer 2017		
ADDITIONAL	<ul style="list-style-type: none">• Skilled in C++, HTML, CSS, JavaScript, and SQL• Built and continually upgraded 3 custom PCs for gaming and productivity usage• Made a video game emulation system using a Raspberry Pi 3 and a Linux-based OS• ACT Composite Score: 34; International Baccalaureate Diploma recipient	