

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 3.6/4.0Completed Coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, Database Management Systems, Intro to Machine Learning, Conversational AI, Applied Parallel Programming with GPUs	Ann Arbor, MI
EXPERIENCE	ICF International Associate Software Developer <ul style="list-style-type: none">Aided in reporting and fixing a critical security bug in the Drupal Commerce moduleLed the development of an advanced search page built in React using the open-source search platform Solr	Remote
Aug 2021-Pres.		
May-Aug 2020	TD AMERITRADE Software Engineer Intern <ul style="list-style-type: none">Developed new features and implemented bug-fixes on an automated investment platform built in React and ReduxUpdated several Java-based Spring microservices to maintain application security and increase cache hit-rate to over 99.5%Worked in a Scrum-based Agile development team, releasing new software every 2 weeks	Ann Arbor, MI
May-Aug 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
PROJECTS	NBA Neural Network Model [Python, ReactJS, MongoDB] <ul style="list-style-type: none">Built neural network deep learning model using the PyTorch machine learning library to project NBA final scores and make predictions against the point spread, achieving a long-term winning percentage of over 55%Coded Python scripts to automatically collect data from recent games, calculate updated player ratings, and build input data for upcoming gamesCreated web app using MERN stack (MongoDB, Express, ReactJS, Node.js) to view game projections and predictions against the point spread -- NBANeural.net Spotify Playlist Generation Web App [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	
SKILLS	Certifications: AWS Cloud Practitioner Experienced in: C++, Python (PyTorch, Pandas), JavaScript, ReactJS, HTML, CSS, PHP, SQL Exposure to: Java, Node.js, MongoDB, Redux, AWS, Google Cloud, Bootstrap	