

# SINAN KARABOCUOGLU

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<b>EDUCATION</b>	<b>UNIVERSITY OF MICHIGAN</b> <b>College of Literature, Science, and Arts Class of 2022</b> Bachelor of Science in Computer Science (GPA: 3.71/4.00) <ul style="list-style-type: none"><li>• Languages: (experienced) Java/Python/C++/JavaScript (familiar) HTML/CSS</li><li>• Tools: (experienced) React.js/Ember.js/PostgreSQL (familiar) AWS/Pandas/Flask</li><li>• Honors/Awards: AP Scholar with Distinction, University Honors, hackNY 2019 Fellow</li></ul>	<b>Ann Arbor, MI</b>
<b>EXPERIENCE</b>	<b>Cardstack</b> <b>Software Engineering Intern</b> <ul style="list-style-type: none"><li>• Developed a movie-list tracking web application using Cardstack SDK, wrapped around Ember.js and JSON:API, and prepared documentation and video as part of Cardstack's quick-start tutorial, showing concepts of 'cards' and reactive programming</li><li>• Assisted integration of Web3 JavaScript module to Cardstack Portfolio application for streaming account data from user's Ethereum Wallet through MetaMask API, and redesigned UI components, enabling better visualization of real-time on-chain data</li><li>• Implemented features for service-provider records of Tally Protocol, such as constraints during registration process and list sorting using ember-concurrency and Ember Data, avoiding duplicate records and providing faster and clearer information to customers</li></ul>	<b>New York, NY</b>
<b>May – Aug 2019</b>		
<b>Jun - Aug 2019</b>	<b>Cognitive ToyBox</b> <b>Full Stack Developer</b> <ul style="list-style-type: none"><li>• Automated data extracting and combining process from 30+ tables inside a relational database containing progress data of 10k+ preschool children on many game-based assessments by writing PostgreSQL queries, easing analysis for non-coder employees</li><li>• Coded Python scripts using psycpg module on AWS Lambda portal for executing specific queries with several parameters received from AWS API Gateway endpoints</li><li>• Set up user authentication using AWS Cognito User Pool for an internal web dashboard designed with React.js, establishing secure customer monitoring for management</li></ul>	<b>Brooklyn, NY</b>
<b>Jan 2019-Present</b>	<b>Michigan Investment Group</b> <b>Algorithmic Trading Software Developer</b> <ul style="list-style-type: none"><li>• Implemented Security Shorting and Covering the Shorted Securities features of a backtesting software for testing several trading algorithms in a live market environment</li><li>• Collected old market data for several stocks from web and pre-processed using Python data science libraries such as Pandas and NumPy for simulating past market activity</li><li>• Worked on an animated visualization trading algorithms performance with Python Matplotlib library, significantly improving quality of security pitches</li></ul>	<b>Ann Arbor, MI</b>
<b>PROJECTS</b>	<b>Alpha Kappa Psi Business Fraternity</b>	<b>Ann Arbor, MI</b>
<b>Jun - Aug 2019</b>	<b>Software Developer</b> <ul style="list-style-type: none"><li>• Designed main table component with a popup feature of a web tool with React.js, and connected it to a MongoDB database via Flask, forming a brotherhood network portal</li></ul>	
<b>Jul - Aug 2017</b>	<b>University of Arkansas at Little Rock</b> <b>Research Assistant</b> <ul style="list-style-type: none"><li>• Created software tool in Java that uses input buffer to access to patient records in local files, and calculate progression grades based on weaning process scoring formula, aiming to shorten checkup round duration by 30 percent in pediatric intensive care units</li></ul>	<b>Little Rock, AR</b>
<b>ADDITIONAL</b>	<ul style="list-style-type: none"><li>• Turkish Representative to the European Youth Parliament and the WINPEACE</li><li>• Played basketball for 8 years, 3 years as team captain; practiced kickboxing for 2 years</li><li>• Marvel &amp; DC comics and movies fan and dream of attending San Diego Comic Con</li></ul>	