

# Joe Cummings

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## EDUCATION

Sep 2016 - Dec 2019	<b>Northwestern University</b> , McCormick School of Engineering B.S. Computer Science Engineering, Minor: Sound Design	Evanston, IL
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## EXPERIENCE

Jun 2019 - Present	<b>Collective Health</b> , Data Science Engineering Intern	San Francisco, CA
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May 2018 - Present	<b>Affective Cognition AI Lab</b> , Research Assistant - Collaborating with Dr. Jason Wilson of Northwestern University CS Department to develop conversational lexical affect recognition models and implementations in relation to assistance based problems	Evanston, IL
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Jun 2018 - Sep 2018	<b>DocuSign</b> , Software Engineering Intern - Worked on the Transaction Rooms Team, implementing a more stable Roles & Permissions based architecture from the UX to the server using Angular 6, .NET, and Microsoft SQL Server leading to a successful beta launch in September 2018	Chicago, IL
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Feb 2018 - May 2019	<b>Iso Athletic</b> , Software Engineering Co-op - Contributed on data science startup for basketball teams with a Vue.js/Node/Postgres stack leading to a successful launch of MVP product, praised by 10 NCAA D1 basketball - Developed and managed the validation flow, including increasing test coverage by 75% and implementing CI builds, resulting in 30% less bugs in production	Evanston, IL
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May 2016 - Jan 2018	<b>DeveloperTown</b> , Software Engineering Co-op - Created user authentication on React/Node stack to assist growing photography startup to onboard first 50 clients and secure Series A funding	Indianapolis, IN
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## PUBLICATIONS/PROJECTS

June 2019	CLARK: Exploring the Role of Context in Identifying Emotion in a Short Conversation ( <a href="#">link</a> )	Minneapolis, MN
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May 2019	Critiquing the Assertions of Open-World Soundness and Blame Tracking in Transient Gradual Lambda Calculus ( <a href="#">link</a> )	Evanston, IL
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## LEADERSHIP

Apr 2019 - Present	<b>Peer Mentor for Northwestern Undergraduate Research (Engineering &amp; Math)</b> - Advising undergraduate researchers on projects leading to 7 successful publications in math and engineering
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Sep 2018 - Mar 2019	<b>Teaching Assistant for CS 348: Fundamentals of Artificial Intelligence</b> - Reinforced material and explaining concepts more in-depth - Accelerated hands-on learning through testing and improving coding assignments
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Apr 2018 - May 2019	<b>Executive Team Member for Iso Athletic</b> - Collaborated with leadership team to set the product development strategy for next 2 years - Reviewed and set current REST API best practices and architecture
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Oct 2016 - Jun 2016	<b>PR Chair for McCormick School of Engineering</b> - Organized and managed events for Northwestern engineering students to receive extra tutoring with TAs and professors free of charge
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## SKILLS

.NET, WebAPI (C#) ♦ React.js, Angular 6 (Javascript, TypeScript) ♦ MySQL, PostgreSQL (SQL). ♦ Node.js, Express ♦ NumPy, scikit-learn (Python 2, Python 3) ♦ Intel x86 (C/C++, Assembly)